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Freestyle comes with everything you need to begin knitting right away including a comprehensive Learning Kit complete with free machine knitting patterns.

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Once you have mastered the basics you can choose from a range of purpose designed accessories:

- **INTARSIA CARRIAGE** – Lets you knit as many colours as you want in one row. Light and easy to use, with a built in stitch dial.
- **COMPACT MOTOR DRIVE** – Attach the motor drive and this most popular attachment leaves your hands free, saves time and gives your knitting that 'shop bought' look.
- **PATTERN DRIVER** – Your pattern is drawn on to a sheet that moves through the drivers so you can see exactly where you are and when to increase or decrease.
- **KNITTING PATTERN COMPUTER** – This clever accessory automatically works out the stitches to cast on, the rows to knit, and when to shape.
- **GARTER CARRIAGE** – The garter carriage enables you to knit a true garter stitch and also transfers from stocking stitch to rib and back again. It will also produce a variety of pattern stitches and lace designs.

SEE THE FREESTYLE IN ACTION

The Singer Freestyle is just one of the range of knitting machines available from Singer Sewing & Knitting Centres throughout the country. Prices start from £599. The following centres will give an on the spot demonstration and can arrange local machine knitting courses:

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0272 264071

94 Church St
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01 688 1128

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☆ Merry Hill Centre
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0384 265488

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0329 280499/283617

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0432 58986

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MACCLESFIELD
0625 24646

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Northbrook Street
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Volume 5, No. 5
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Dear Readers

First let me say a warm 'Welcome' to our new sub-editor, Sue Watson. Many of you will need no introduction to Sue, particularly those readers who have recently joined us from *World of Knitting* and *Machine Knitting World* magazines.

We are all delighted that so many of you have decided to become regular M.K.M. readers and hope that you will feel even more at home now that Sue is with us too. For readers who do not know Sue, I should explain that she brings us all the experience and expertise she has gained in a magazine career that began as patterns editor on *World of Knitting* and took her to the editor's chair of *Machine Knitting World*.

Our patterns this month offer a few 'quickies' for the holidays, between-season styles for the forward planners and back-to-school classics for boys and girls which you can stripe according to their school's colours.

As always, our regulars also provide a good 'read' so you need not suffer withdrawal symptoms as you laze on that sunny beach! Home or away, I hope you all enjoy your holidays.

Anne

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NEWS LINE

Does a newshound keep an ear or a nose to the ground? We're not sure but we know that Sue Watson will be doing whichever is necessary to keep readers up-to-date on anything and everything that is newsworthy, interesting or useful to machine knitters.

Edited by Sue Watson

CITY AND GUILDS

Salisbury is among the areas which can now offer the City and Guilds Machine Knitting Course. Anne Yeo who is a tutor of Machine Knitting in the area, is to be the tutor for this new course which starts in September at Salisbury College of Technology. If you would like more information about the course, please phone Anne on 0980 862690 – she will be pleased to tell you all about it.

BRAMWELL CELEBRATION

Look out in your local Bramwell stockist for their latest designs and new yarns. 'The Lace Gallery' is a collection of four leaflet patterns which will appeal to all lace knitters. Retailing at just 50 pence, each pattern features a cool, easy to knit and wear

summer garment, utilising lacy sleeves, collar or skirt panels. Designs Nos 1 and 3 are knitted in the ever popular Artistic while design Nos 2 and 4 promote Bramwell's new yarn, CELEBRATION 25 – a 3 ply crepe available in 18 shades on 500 gram cones. This yarn is a 92% Acrylic mix with 8% Nylon and is machine washable, so should prove to be another success for Bramwell.

As well as The Lace Gallery patterns, Trisha Whitfield has also designed four exclusive outfits in CELEBRATION 25 – very flattering and fashionable styles for those special occasions. Again, you will find these patterns at your local stockist – look for Trisha Whitfield Design Leaflet Nos 404, 405, 406 and 407.

Bramwell have produced another new 4 ply yarn BRAMWOOL with a 25% wool content. This too is machine washable and comes on 400 gram cones in a range of 12 shades, ideal for standard gauge knitting.

A CRAFTY COMBINATION

This was the eye-catching heading on the information we received recently about a course offered by the Borders College of Further Education. What makes this course different is the combination of business, marketing and knitwear skills in one package. The aim of Craft Knitting is to give students craft and business training with a view to preparing them for running their own businesses.

The machine knitting section of the course leads to SCOTVEC and City and Guilds certificates, if completed satisfactorily and the latest high technology design and manufacturing techniques consistent with running a small craft knitting business are included.

The course is held in Hawick, the centre of the top quality knitwear industry and runs full-time for 32 weeks from August 1990 until May 1991. For

further information, please contact Ronnie Hodgins, Senior Lecturer, Henderson Building, Hawick. Telephone: 0450 74191

POSTAL PATTERN DESIGN COURSE

There is always something new going on at the Machine Knitting and Design Centre and the latest innovation is Kamalini Trentham's postal course in pattern design. Read on for the information they have given us – it sounds the perfect 'next step' for knitters who can cope expertly with a pattern but would like to move on to a more professional approach.

"Machine Knitting and Design Centre are pleased to announce their Postal Pattern Design Course. To be eligible for this course, the knitters must have a good understanding of the basic techniques of machine knitting and must be fully conversant with their knitting machines.

The course is offered in 12 monthly lessons and is designed to teach the skills and techniques required to design and work out patterns for machine knitted garments. Each lesson is based on a project garment (some lessons may offer a choice of projects), designed to make an interesting and desirable addition to anyone's wardrobe. The yarn for the projects is not included and must be provided by the student. Knitters who would like a certificate at the end of the course, will be required to submit a garment every quarter (4 of the 12 garments) for assessment and will be expected to finish the course in the prescribed time. Registrations are open now and the first lesson will be sent out at the end of August.

On registration each student will receive an enrolment pack containing a pattern design folder consisting of:

- * A4 Binder – to keep all the course lessons together.
- * A FREE SET OF GAUGE COUNTERS – to help measure tension swatches.
- * GENERAL NOTES – on tensions, swatches, body measurements, ease allowances, steaming and finishing.
- * INFORMATION ON HELP LINE – to enable you to contact the Centre if you have any queries or problems with the lesson.

Thereafter one lesson will be despatched every month. Following the instructions in the lesson pack the student will be required to work out the pattern on the design sheets provided and return it to the Centre for checking before knitting the garment.

All students will receive a quarterly Newsletter containing special features on various aspects of machine knitting, news and views with the latest information on what is currently available in machine knitting, the

dates of special events and a selection of students letters where they can share their triumphs and tribulations with others."

For address, see advertisement on page 6.

TUITION

Do you live in the Brighton area and want tuition on your knitting machine? If so, we have heard from Ann Turner who would like to teach beginners. She feels that it is important to limit her group to four people so that each individual can gain plenty of practical experience and personal help. Please phone Ann on 0273 305990 to reserve a place or to find out further details.

Ann also informs us that Brighton Technical College are trying to get a City and Guilds Course in Machine Knitting off the ground. A minimum of 14 students are required and anyone interested should contact Mr Ewbank or Mrs Arlott at the college on 0273 685971.

NEW SHADES IN SIROCCO

Forsell have included five new fashionable shades to their Sirocco range: Amethyst, Plum, Claret, Tobacco and Moss. These colours add excitement to this very versatile yarn which knits up beautifully on Duomatic machines as well as on the standard gauge models. All of the five new shades are ideal in Fair Isle designs and can be combined in a variety of colourways for mixing and matching with plain garments. Used alone, each shade stands out to make a fashion statement – great in those wonderful textured fabrics such as tuck and cables but equally good looking in just plain stocking stitch. Look out in your local stockist now!

A FIRST FOR BOND AND SIRDAR

For the first time, Bond and Sirdar have collaborated to design and produce knitting pattern leaflets with both hand and Bond knitting instructions. Their first collection incorporates five designs featuring the latest summer yarns from Sirdar in a variety of styles and colours. Firm favourites are the new Mercerised Cotton DK and Cotton Crepe DK – ideal for summer wear, and the designs include little summer tops, double breasted sweaters and two-somes, such as a pretty jacket and top for cooler days. Hand knitting instructions are presented in the usual way, with Bond instructions printed in a clear and concise manner on the same pages.

ABBREVIATIONS

alt = alternate(ly)
beg = beginning
ch = chain
cm = centimetres
cont = continue(ing)
dc = double crochet
dec = decrease(ing)
foll = following
g = grams
HP = holding position
in = inch(es)
inc = increase(ing)
K = knit
mm = millimetres
MT = main tension
MT-1, MT-2, MT-3 = one, two, three full sizes tighter than main tension
MT+1, MT+2, MT+3 = one, two, three full sizes looser than main tension
MY = main yarn
N(s) = needle(s)
NWP = non working position
P = purl
patt = pattern
RC = row counter
rem = remain(ing)
rep = repeat
ss = stitch size
st(s) = stitch(es)
st st = stocking stitch
tog = together
UWP = upper working position
WP = working position
WY = waste yarn

JAROL'S LATEST ADDITIONS

If trendy baby knits are your cup of tea then you will be delighted by Jarol's JUST ME range in fashionable up-to-the-minute shades and a collection of 14 fun but wearable baby/toddler garment designs for Mums and Grandmas to knit. JUST ME is a new concept in baby fashion and its incredible soft handle has resulted from a blend of 60% Cashmilon Acrylic Fibre with 40% Supersoft Nylon. Available on 50 gram balls, there are twelve clear colours to choose from – all the primaries plus Cerise, Lilac and Salmon Pink and a luscious Lime green and brilliant Orange – real value for money at £1.15 per ball.

Jarol have reminded us of their LOOKS DK for summer knitting. 78% Courtelle and 22% Supersoft Nylon combine to make this a light and bouncy quality for easy to wear garments. There are



20 shades in the range, both solid colours and duo-toned shades, all in mid to pastel tones for mixing and matching. Again excellent value at only 85p per 50 gram ball.

Both JUST ME and LOOKS are fully machine washable.

CASH'S PERSONALISED LABELS

Before we know it, the summer holidays will come and go and it will be a mad rush to the High Street shops to replenish those outgrown items of school uniform. Then follows the somewhat tedious task of sewing individual name-tapes neatly to each sweater, shirt, skirt, trouser – not to mention the dozen or so socks, shorts, track suit (tops and bottoms), various shoes etc., which all go together to make up the P.E. kit! Thank goodness for those wonderful Cash's woven school nametapes – still going strong, provided of course that you have remembered to order a supply in advance!

But anyone who has ever attended any of the knitting shows at which Cash have exhibited their products, will be more than aware that Cash offer a wide and varied range of labels to cater for individual requirements. They have introduced new designs for the PERSONAL TOUCH LABEL range, added

more motifs and colours to the DESIGNER range and new lettering styles for the PERSONALISED LUGGAGE STRAPS. Of particular interest to knitters will be the DESIGNER range and the NEW TOY SAFETY LABELS.

Cash's labels can be ordered through the haberdashery department of local shops and stores but if you cannot find a stockist, please contact J. & J. Cash Ltd., Torrington Avenue, Coventry CV4 9UZ or telephone 0203 466466.

HEALTH AND SAFETY

Gas safety regulations will be of interest to many of us, so when we heard from the HSC (Health & Safety Commission) of the introduction of a statutory registration scheme for gas installers, we thought you would like to know about it. These regulations have been laid down in Parliament by Patrick Nicholls, Parliamentary Under Secretary of State for Employment, and are due to come into force on 30



COMPETITION RESULT

The centrepiece of a Royal Collection from Our Artistic Heritage was Bob's teaser in our April Competition. The answer was, of course, PRINTS OF WHALES and many congratulations go to the following four readers.

Mrs P A Smith of 34 Stoke Lane, Stoke Lodge, Patchway, Bristol, Avon BS12 6BW was our first prizewinner. She receives a Keyto Hornblower Cabinet with bench.

Second prizewinner was Mrs D Driver of 280 Beechings Way, Rainham, Kent ME8 7AY. Her

prize is a Keyto Kneat Knitter.

Our third winner was Mrs M Ford of 26 Browning Road, Reddish, Stockport, Cheshire SK5 6JN. A Keyto Nemo Knitting Desk is on its way to her.

Finally, Mrs M Bleay of The Hermitage, Wattisfield Road, Walsham Le Willows, Bury St Edmunds IP31 3BD won fourth prize and receives a Keyto Linker Cabinet.

Many congratulations to all winners and sincere thanks to Mr Charles Cornish for donating these superb Keyto prizes.

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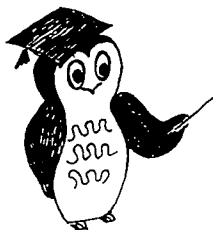
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For shade cards send £1 (refundable) and large S.A.E. to:-

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Sampler No 2 contains excerpts from: Each of the three vols in the Brother Ribber Series and Knit Steam & Cut.

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11/17

March 1991 in order to give the industry time to comply. They will require every gas installation business and self-employed gas installer undertaking work subject to the Gas Safety (Installation and Use) Regulations 1984 to belong to a class of persons approved by the Health and Safety Executive (HSE). In practice they will be expected to register with a body recognised for the purpose by the HSE. Dame Rachel Waterhouse, appointed by the Secretary of State for Employment to the HSC commented on the new regulations. She said:

"The regulations recognise the fact that sub-standard gas installations by so-called 'cowboys' are not just a matter of inconvenience and expense for the customer but literally a matter of life and death.

"We must encourage customers to use registered installers only.

"Statutory registration will be beneficial to the gas installation industry in enhancing its safety image; and to customers in giving them greater assurance of a competent and safe installation."

The Gas Safety (Installation and Use) (Amendment) Regulations 1990 SI No 824, ISBN 0 11 003824 X are available from HMSO, price £0.55p.

NEW BOOKS

We have received information of two books for your library. **TUCK STITCH BOOK 1** is a collection of drop-shoulder sweaters and cardigans for you to knit in tuck stitch with that ever popular Card 3 in a size range of 20 to 50 inch chest.

SUMMER TOPS USING BRAMWELL YARNS is a collection of summer styles suitable for beginners and advanced knitters, using the popular range of Bramwell yarns. All the designs have written instructions plus measurement charts for those who prefer to use their charting devices. Where possible, the size range covers 32 to 46 inch chest measurements. This book features tops which take less than an hour to knit and also includes a basic pattern in Montana cotton suitable for all members of the family as the size range covers 20 to 50 inches.

For further details, contact the publishers Mellors Munro & Co Ltd, Construction House, Whitley Street, Bingley, West Yorkshire, BD16 4JH.

ANNOUNCEMENT FROM YEOMAN YARNS

Yeoman Yarns is a family-run business in the Leicester area which offers yarns by post as well as via their regular retail outlets. They specialise in a range of

quality yarns obtained not only from the U.K. but also from France and Italy which reflects the trends in fashion colours as well as maintaining classic shades within a wide variety of types and blends.

Their yarn catalogue is made up of individual shade cards, enabling Yeoman to introduce new colours and yarns as appropriate. One of the latest additions is Elastomeric Stretch yarn, available in a basic range of 19 colours priced at £8.99 per 160 gram cone to include postage and packing. There is a further range of 19 colours for larger requirements and these can be supplied by special arrangement. For further details, write to Yeoman Yarns Ltd., 31 High Street, Kibworth, Leicestershire LE8 0HS, or telephone 0533 792351.

SUMMER SCHOOL IN SURREY

It may be rather short notice but tutor April Hardman sent us the details of the Summer School that is to be held at the Malden Centre, Blagdon Road, New Malden and we are passing them on to you.

The course runs from July 23rd to July 27th from 10.00 am to 1.00 pm each day and covers such topics as garment making, colour and design, ribber techniques, the charter and intarsia. April asks you to take along your machine, instruction books and relevant attachments and lots of yarn! A locked cupboard is available so machines can be left at the centre. The number to ring if you are interested is 071 949 3330.

1990 CRAFTSMAN'S DIRECTORY

Attention all craftspeople! The 1990 Craftsman's Directory is an absolute must for anyone wishing to attend or take part in craft world events throughout the U.K. This invaluable booklet contains a very comprehensive list of all craft shows, fairs, exhibitions and festivals, from major events to smaller, rural shows. Quick reference is made easy as events are clearly laid out in date order, right through to December plus advance notice for some in 1991. The Directory also includes addresses for many useful contacts in the craft world, including Guilds, magazines and periodicals, plus information for organisers and exhibitors who might require help with equipment, services and venues. The Directory is available now and costs £5, to include postage and packing from:-
Stephen & Jean Lance Publications,
Brook House, Mint Street,
Godalming, Surrey GU7 1HE.
Telephone: 04868 22184

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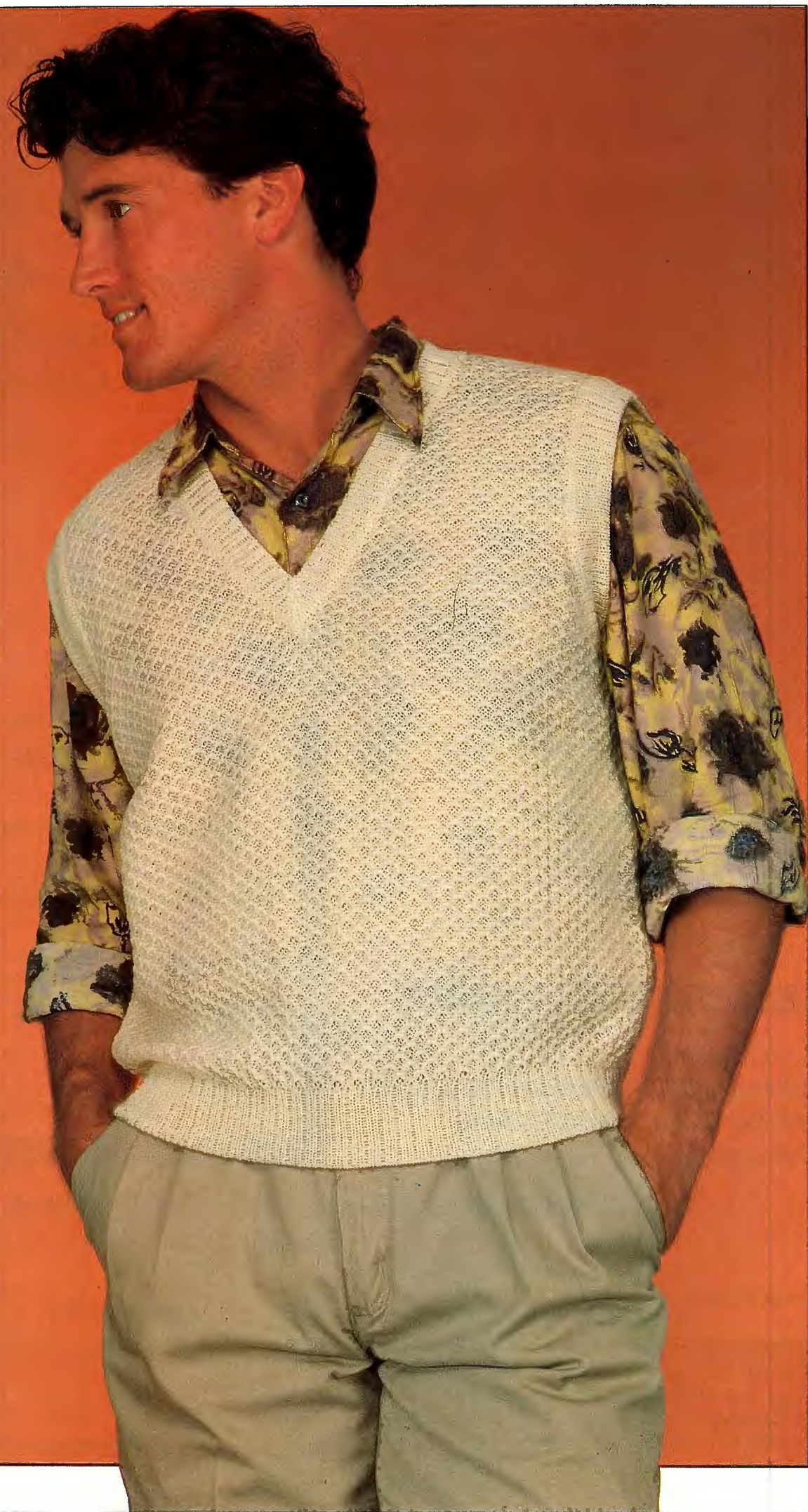
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1



The Message to all Knitters from

WENDY PHILLIPS

picture knitting

KNIT YOUR POLL TAX!

To many people this would sound a very silly idea, but to machine knitters I know it will make good sense. Over the years we've all found our machines, coupled with our own expertise, capable of supplementing the family income; now with the current high levels of interest and the dreaded Poll Tax emptying our purses what better time to take stock of our assets. I'm referring of course to our knitting machines and vast quantities of coned yarn most of us have stacked away in cupboards, under beds and in lofts; some bought on impulse, some left over from previous garments and some . . . well if you're like me you can't really remember where it came from, but it's there just the same.

Thankfully there is always a market for well knitted sweaters and picture knits are in constant demand. Whether you knit for shops, craft fairs, party plan or just family and friends there are plenty of would-be customers out there just waiting to be satisfied. So why not make the most of your assets and your talents, remember **an investment is only worth while if it makes a good return.**

Over the years thousands of knitters have earned quite a 'tidy sum' from incorporating my pictures into their knitwear. There are no copyright restrictions for anyone working from home and you are free to use and sell whichever of my patterns you choose. I thoroughly enjoy your letters which tell me of your highly innovative and successful ventures. One lady paid for her holiday by knitting nothing but "Jolly Sportsmen"! A granny paid her air fare to Australia to see her new grandson by knitting bobble hats and some years ago I knitted a loft conversion! So you see nothing is impossible where machine knitting is concerned.

Most knitters are familiar with Wendy Phillips' invaluable picture knitting books and because the designs are so saleable they are keen to add more to their collections. To help knitters build up or complete their collections Wendy, in conjunction with **Machine Knitting Monthly**, is offering a

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BACK

Insert card and lock on first row. Push 64 [67, 70, 73, 76, 79] Ns at left and right of centre 0 to WP. 128 [134, 140, 146, 152, 158] Ns. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-2 and MY, K 55 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MY evenly along the row. Unravel WY when work is completed. Set RC at 000. Using MT, K 1 row. Release card and cont in tuck stitch. K 185 [185, 191, 191, 191, 191] rows. RC shows 186 [186, 192, 192, 192, 192] and work measures 37 [37, 38, 38, 38, 38] cm, 14½ [14½, 15, 15, 15, 15] in. Carriage is at right*.

SHAPE ARMHOLES

Cast off 4 sts at beg of next 2 rows. Dec 1 st (2 sts in) at each end of every alt row until 92 [96, 102, 106, 110, 116] sts rem, then on every foll 4th row until 86 [90, 94, 98, 102, 106] sts rem. K 102 [106, 114, 118, 122, 130] rows. RC shows 330 [336, 354, 360, 366, 378] and work measures 61 [62, 65, 66, 67, 69] cm, 24 [24½, 25½, 26, 26½, 27] in. Carriage is at right.

SHAPE SHOULDERS

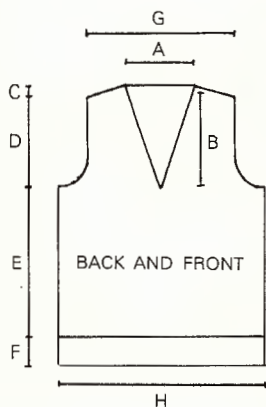
Cast off 4 [4, 4, 4, 4, 5] sts at beg of next 10 rows and 3 [4, 6, 7, 8, 4] sts at beg of foll 2 rows. Using WY, K a few rows in st st over rem 40 [42, 42, 44, 46, 48] sts and release from machine.

FRONT

Work as for Back to *.

SHAPE ARMHOLES AND NECK

Note patt row on card. Using nylon cord, K 64 [67, 70, 73, 76,



- A = 16.5 [17.5, 17.5, 18, 19, 20] cm
B = 26 [27, 29, 30, 31, 33] cm
C = 2 cm
D = 24 [25, 27, 28, 29, 31] cm
E = 31 [31, 32, 32, 32, 32] cm
F = 6 cm
G = 52.5 [55, 57.5, 60, 62.5, 65] cm
H = 35.5 [37.5, 39, 40.5, 42.5, 44] cm

1 MAN'S TUCK STITCH SLIPOVER

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard machines without a ribber.

MATERIALS

Bramwell's Fine 4 ply
1 [1, 1, 1, 1, 1] × 500g cone in Blonde (MY)

GARMENT WEIGHT

Finished garment in second size weighs 210g.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to F. W. Bramwell & Co Ltd, Unit 5, Metcalf Drive, Altham Lane, Altham, Accrington, Lancashire BB5 5TU.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

To fit chest 97 [102, 107, 112, 117, 122] cm, 38 [40, 42, 44, 46, 48] in.

Actual size 105 [110, 115, 120, 125, 130] cm, 41¼ [43¼, 45¼, 47¼, 49¼, 51¼] in.

Length to shoulder 61 [62, 65, 66, 67, 69] cm, 24 [24½, 25½, 26, 26½, 27] in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

24 sts and 60 rows to 10 cm, 4 in measured over tuck stitch pattern (tension dial setting approximately 7).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used purl side of knitting as right side of garment. Punch card as shown, if required, before starting to knit.

79] sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st (2 sts in) at neck edge on next and every foll 7th row and at the same time cast off 4 sts at beg of next row, K 1 row. Dec 1 st (2 sts in) at armhole edge on every alt row until 41 [43, 46, 48, 49, 52] sts rem, then on every foll 4th row until 37 [38, 40, 41, 43, 45] sts rem. Cont to dec at neck edge only on every 7th row from previous dec until 23 [24, 26, 27, 28, 29] sts rem. K 10 [9, 21, 20, 19, 24] rows.

SHAPE SHOULDER

Cast off 4 [4, 4, 4, 4, 5] sts at beg of next and foll 4 alt rows, K 1 row. Cast off rem 3 [4, 6, 7, 8, 4] sts. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted and take carriage to left without knitting. Release card and cont in tuck stitch. Finish to correspond with first side, reversing shapings.

ARMHOLE BANDS (4 PIECES)

Push 83 [89, 95, 98, 104, 110] Ns to WP. With P side facing, pick up 83 [89, 95, 98, 104, 110] sts evenly along armhole edge and place on to Ns. Set RC at 000. Using MT and MY, K 1 row. Transfer every 3rd st on to adjacent N and push empty Ns to NWP. Using MT-1, K 5 rows. Using MT-2, K 15 rows. Using MT-1, K 4 rows. Push Ns from NWP to WP and place loop from row below adjacent st on to empty N. Using MT, K 2 rows. Using WY, K a few rows and release from machine.

NECKBAND (2 PIECES)

Join shoulder and armhole band seams. Push 102 [105, 111, 117, 120, 126] Ns to WP. With P side facing, pick up 79 [81, 86, 91, 93, 98] sts

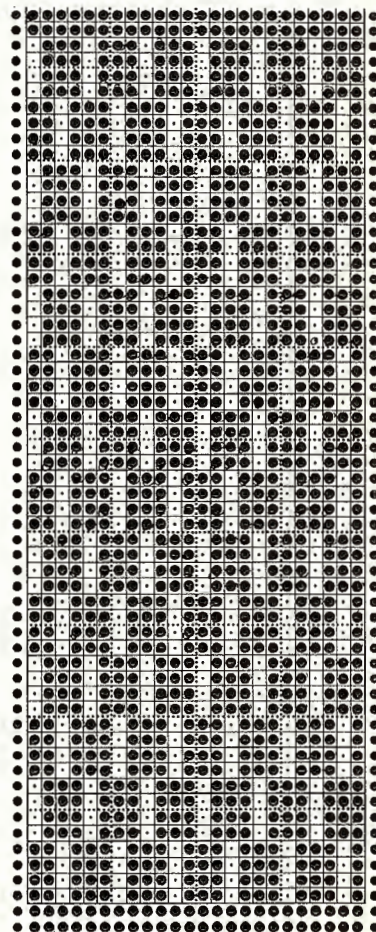
along front edge and 20 [21, 21, 22, 23, 24] sts across half of back neck inc 3 [3, 4, 4, 4, 4] sts evenly and place on to Ns. Inc 1 st at each end. 104 [107, 113, 119, 122, 128] sts. Set RC at 000. Using MT and MY, K 1 row. Transfer every 3rd st on to adjacent N and push empty Ns to NWP. Using MT-1, dec 1 st (2 sts in) at front edge on next 5 rows. Using MT-2, dec 1 st (2 sts in) at front edge on next 7 rows. K 1 row. Inc 1 st (2 sts in) at front edge on next 7 rows. Using MT-1, inc 1 st (2 sts in) at front edge on next 4 rows. Push Ns from NWP to WP and place loop from row below adjacent st on to empty Ns. Using MT, inc 1 st (2 sts in) at front edge on next row. K 1 row. Using WY, K a few rows and release from machine.

PRESSING

With wrong side facing, pin out all pieces to measurements given and press carefully following manufacturer's instructions.

MAKING UP

Join neckband and side seams. Fold armhole bands and neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MY.



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MASTERCLASS

August. Still the time when most of us go on holiday. Just in case you haven't gone yet, how about some really quick ideas to knit at the last moment to take with you? Even if you're not lucky enough to travel, this is very much the time of year when quick and easy knitting is a must, as there is always so much to do and so little time.

Mary Dowse

Just one word of warning. *Never* try to knit more quickly than usual! Take it steadily and you will finish in half the time. You do *not* want dropped stitches or knitting falling off!

Summer tops and skirts don't usually take long to knit, but if you particularly want a lace pattern do choose a simple one or think about "punch lace" – as quick and easy as Fair Isle. It will make a lovely fabric in something like Hobby or two ply cotton, linen or synthetic mixes used with a fine polyester thread for the lace. The

choice depends, of course, upon where you are going on holiday. These are great for Southern climates but think about fine wools if you're travelling North.

Fine wools and kid mohairs make beautifully packable light sweaters and dresses for cooler weather and of course, if you need a really warm and hefty sweater, four ply wool is even quicker. One of the knits I particularly like to take with me is a big stole or shawl. It does duty as coat, cardigan and extra sweater (and even in the

Mediterranean you often need extra warmth in the evening). Light wraps fold into a small space for packing, go over everything, are very easy to knit – and they look marvellous.

This is one time when it isn't very serious if your tension square isn't absolutely accurate. Do make one, but if your stole comes out a bit wider or a bit longer, it won't spoil the look.

Quick ideas for stoles are almost limitless. One of my favourites is a straightforward piece of full needle rib in fine wool or synthetics over all needles. Keep it to two ply, knit about two and a half to three yards, cast off and there you are. Add fringing if you like, or stripe it, but a simple plain colour looks gorgeous and takes only about two hours to knit.

Simple lace, if you have a Knitmaster machine, makes a lovely stole, though I would avoid "fashioned" lace if you're short of time as it does take longer to knit and punch lace or simple lace are much quicker. Begin and end with a small hem, steam flat but allow the long edges to roll gracefully in wear. These look wonderful and will fold up very small.

It is tempting to suggest more elaborate ways of patterning as stoles can look beautiful with big and complicated patterns, but save these for when you come back.

If you like a slightly warmer wrap, consider wearing it for travelling – then you don't have to pack it and it's easy to carry. A really fine double Fair Isle in fine wool, or kid mohair if you can afford it, is a lovely all-purpose wrap for any time – and with no floats!

Alternatively make a simple three ply wrap in a small pattern (Forsell's wool and alpaca makes a particularly beautiful stole). These are warm enough for quite cool weather, ideal for Scotland or Scandinavia and also perfect to snuggle into on that draughty Channel crossing. You really don't need a pattern! Choose colours that suit you and go with your clothes and just knit it.

My other standby for holiday wear is a pleated skirt made on the ribber, light and cool in Bramwell's Silky and polyester, or slightly heavier in Hobby or fine wool. I have two in Silky which took about four hours to knit and have survived two years of travelling and numerous drip-dry washings, pegged to towel rails in hotel bedrooms with newspapers underneath to catch the drips overnight! They appear to last for ever, take little time or money – and need absolutely no pressing.

The joy of a pleated skirt is that

it can be made very long or minutely short and all the lengths in between and look equally appealing. They are great for all ages and sizes from the very young and frivolous to the most golden of oldies, altogether a really versatile garment, marvellous to wear and great for beginner ribbers.

Have a lovely holiday!



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THE RIB TRANSFER CARRIAGE

One of the most useful accessories for the knitter in a hurry is the rib transfer carriage. This month Diane explains how to use it and tries to solve some of the problems which can occur when using it.

Diane Bennett

The rib transfer carriage for the Brother ribbers is a saddle-type carriage, similar to those available for the European machines (see Fig. 1). It allows the knitter to transfer stitches very quickly from the ribber to the main bed. However, because the two beds are different, it is not possible to transfer stitches the other way, from the main bed to the ribber, and this is worth remembering when planning garments.

TRANSFERRING STITCHES

The rib transfer carriage should always be moved from right to left across the needle bed. Whenever

it is possible, knit the last row before transfer also from left to right, so that the knit carriage is at the opposite end of the needle bed to the transfer carriage. If the last row has to be knitted from the other direction, the main bed and ribber carriages will need to be removed from the bed before the stitches can be transferred.

Knit the last row before the transfer of stitches at a loose tension. Remember that only the stitches from the ribber are moved. It is only necessary to increase the tension on the ribber carriage, usually by at least three whole numbers. The loop of the stitch is then large enough to be moved correctly from the ribber needle to the main bed needle. When knitting with very fine yarns

or those which have a very strong twist, it may be necessary to increase the tension by five numbers to ensure easy transfer of the stitches.

The transfer carriage should then be placed on the right hand side of the needle bed, ready to transfer the stitches. To ensure that this is done correctly, remember the following points:

1. Empty needles on the main bed must be pushed forward.
2. The needles on the two beds must be in the correct position.
3. Successive needles cannot be transferred, so it may be necessary to transfer the stitches in two movements.

Use the straight edge needle pusher to put all the needles on the main bed to working position – if a needle is in non-working position, it will not be possible for a stitch to be moved from the ribber on to it.

When stitches are transferred from one bed to the other, they are at the same time moved half a position to the left. Stitches can only be transferred if the ribber has been moved to the H or half pitch position. In the P position, needles on the two beds are directly opposite and the stitches will not be transferred correctly. If the rib has been knitted with the pitch lever on H, for example a full needle or tight 2x2 rib, rack the ribber one position to the left. This seems quite complicated when first using the transfer carriage, but there is a simple rule which helps you to remember what to do:-

Always move the ribber before trying to transfer stitches. If the ribber is set to P, move it to H. If the ribber is already set to H, rack one position to the left.

Are you ready to transfer the stitches yet? If the rib is a simple 1x1, move the transfer carriage smoothly across the needle bed using both hands, one on each knob. The stitches should be transferred from the ribber

needles to the main bed needles. However, after transfer the loops are left on the heads of the ribber needles and a needle pusher should be used to push the ribber needles to non-working position. Check that all the stitches have been transferred correctly before starting to knit on the main bed.

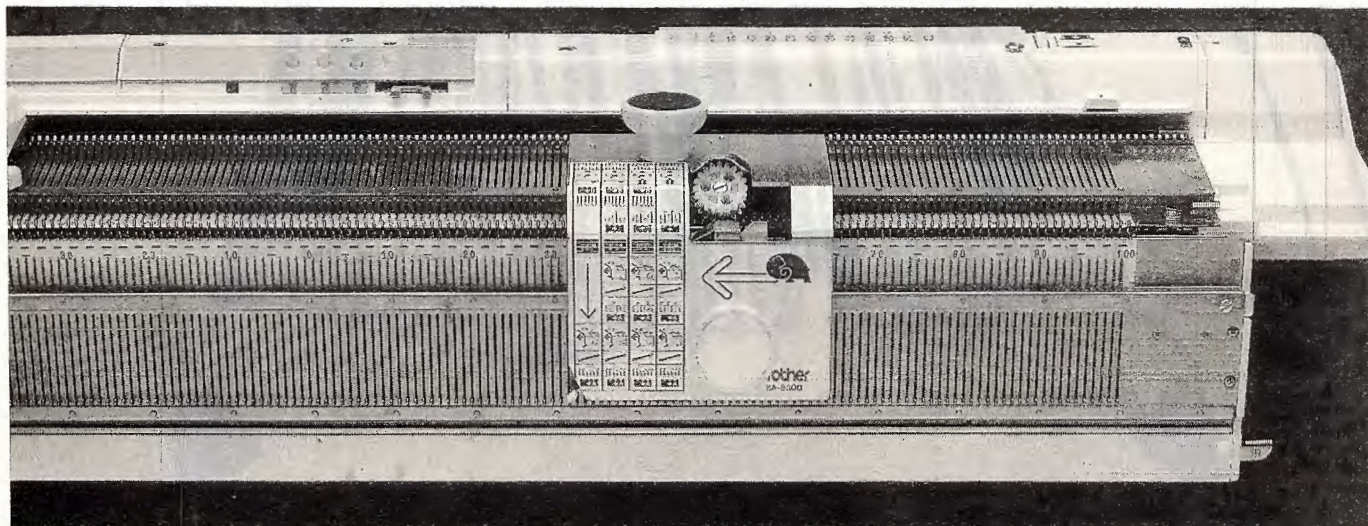
Other rib settings have to be transferred with two movements of the rib transfer carriage. This is because two successive stitches on the same bed are often not transferred correctly. When knitting a 2x2 rib, for example, the two stitches from each pair of working needles cannot be moved with one stroke of the transfer carriage.

Alternate working needles should be selected using a needle pusher. For a full needle rib, use the 1x1 pusher, but for 2x2 and tight 2x2 ribs the special pusher provided with the ribber is used. Push the needles holding the stitches to be transferred to D position, making sure that the stitch remains in the head of the needle and does not go behind the latch. Push the small lever on the left side of the transfer carriage to the top position. This allows only the selected needles to be transferred. After moving the rib transfer carriage smoothly across the bed, use the appropriate needle pusher to push the needles on the ribber holding transferred stitches to non-working position. Move the transfer carriage back to the right side of the knitting and push the knob on the left down so that the remaining stitches are transferred.

Before pushing the ribber needles to non-working position after each of the movements of the transfer carriage, check that the stitches have been transferred. Use the double eyed bodkin to transfer any stitches which are 'floating'. This visual check is useful when transferring any type of rib, but it is particularly

Fig. 1

Brother KA8300 Rib transfer carriage



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important when two movements of the transfer carriage are necessary, because this often results in odd stitches which are not transferred correctly.

PROBLEMS WITH TRANSFERS

Many knitters love their transfer carriages and find that they save a considerable amount of time. There are, however, some knitters who have bought them and cannot use them correctly. In some cases, this is a simple problem, for example forgetting to move the ribber to the H position or to push the empty needle on the main bed to working position. Read carefully the instructions given above and try again. But what should you do if you still can't make it work? The most common problem is not the transfer carriage – but the RIBBER.

The reason for the problem is that the transfer carriage can only move a stitch from a ribber needle on to a main bed needle if that needle is in exactly the right position. It must be half way between the ribber needle holding the stitch and the next ribber needle to the left – and very often this needle is not in the right position because the ribber needs to be adjusted!

To check the adjustment of the needles on the two beds, move the pitch lever to the P position and push the ribber up into working position. Bring forward a block of about 50 needles in the centre of the main bed. Gently raise the needles on the ribber opposite these and the two sets of needles should clash – so don't push them too hard! If the needles are not directly opposite, it is easy to move the ribber to the correct position. From Fig. 2, identify the two screws on the left side of the ribber which should be loosened. Use the screwdriver provided with the ribber to loosen these screws – half a turn of the screwdriver should be enough. Tap the end of the ribber gently until it is correctly aligned and needles on the two beds are directly opposite, then tighten the screws again. Check the adjustment and the tightness of the screws occasionally, because they can work loose when the ribber is in use.

STITCH PATTERNS

The rib transfer carriage can not only be used for the transfer of stitches after knitting a welt or band, but it can also be used for a variety of lovely stitch patterns. The transfer of a stitch to the opposite bed forms a holé, making an attractive lacy ribbed fabric. A simple example is shown in Fig. 3.

Before starting to knit the pattern, transfer all stitches to the main bed and knit at least two rows. Use a 1×1 pusher to push alternate needles forward on the ribber, checking that it is set to H5. Knit four rows then use the transfer carriage to transfer all the stitches to the main bed. Do not push the empty needles on the

ribber to non-working position, but move the ribber to H4 to alternate the stitches. Knit four rows before transferring the stitches. This pattern, which can be used as a border, can be repeated for the length required.

I hope that this description of the rib transfer carriage may have helped some of my readers with

their problems. My new book, "Use Your Ribber" contains more information about the use of all Japanese machines and ribbers, particularly for knitting ribbed garments. It is available from your local dealer for £5.25, or direct from Diane Bennett, 9, Huntley Grove, Nailsea, BRISTOL BS19 2UQ (£5.50 inc. p&p).

Fig. 2

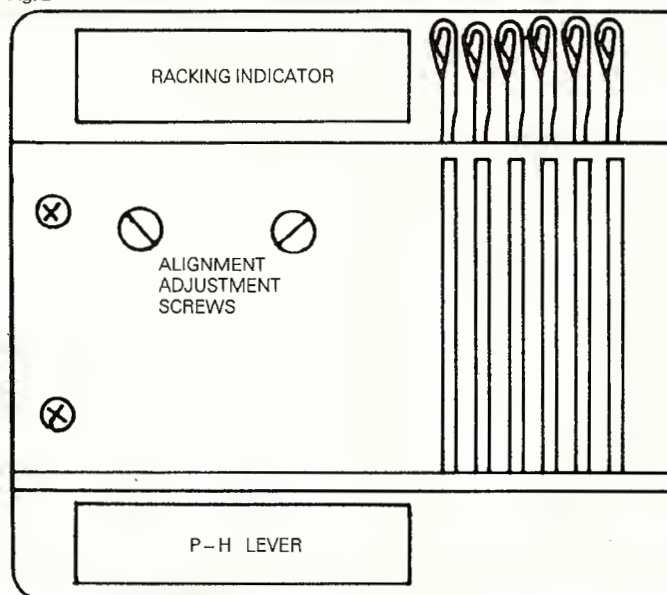


Fig. 3



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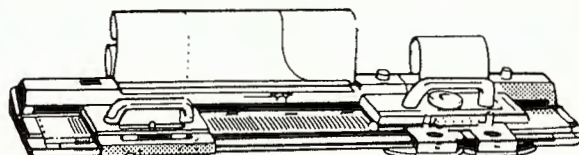
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QUESTION TIME

In which our imaginary knitting club holds an open forum. The questions asked could well include a query of your own . . . read on for Pat's expert answers.

Pat Coulston

Q "Could you tell me how to make a cord on the machine and, apart from making a 'tie' with it, what other uses can it have in knitting?"

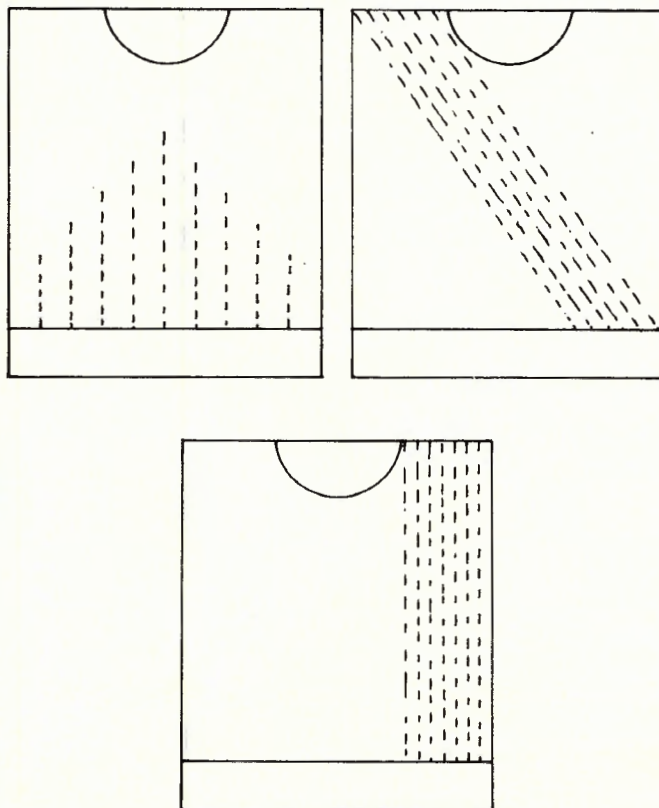
A "A cord is usually made over three to five needles depending on the thickness required. Cast on by hand over, say, three needles.

Knit two to three rows. Set your carriage to knit one way, but not to knit the other way, for example; Brother: press in one part button; Toyota: set for empty in one direction; Knitmaster: set to slip with one side lever forward and one back; Passap: use the BX setting, pushers and both arrow

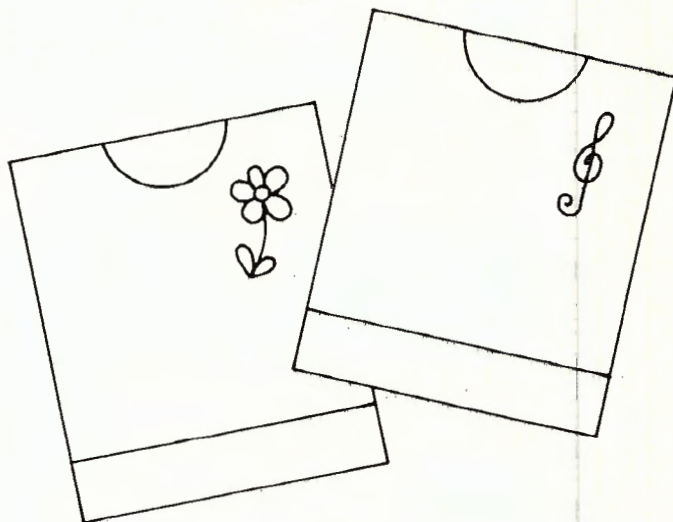
keys on one bed, GX on the other. Continue to knit and note that the carriage knits in one direction but 'slips' back in the other without knitting. After a few rows, the edges are pulled in and you get a cord.

To make the end neat, don't cast off, just remove the work from the machine and, with the yarn end threaded through a needle, pull it through the open stitches and neaten off. The cast on end tightens itself. You can, of course, thread beads or tassels on to the ends for decoration.

The cords, in contrast colours can be threaded through garments for added interest.



Also cords can be used to make motifs, curling them around to make the shapes.

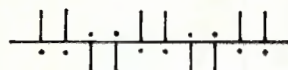


Try plaiting together three, five or seven cords and this looks unusual if sewn along the shoulder and down a sleeve as on a sideways top. On a lightweight

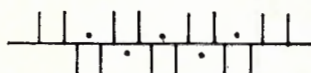
or evening sideways knitted top, instead of sewing up the top sleeve seam, a cord could crisscross thereby making a feature."

Q "I am new to ribber knitting and I get totally confused about the 2x2 ribs. Sometimes I hear it called 2x1, sometimes 2x2H. What is the difference and what is the easiest way to go about knitting the cast on rows and then transferring to the main bed on completion of the rib?"

A "I agree - it can be confusing. The main difference is:-
a) 2x2 rib is knitted with the HP lever on P and in this setting.



b) The other 2x2 rib is sometimes called a 2x2H rib, sometimes 2x1 or, as Mary Weaver calls it, a 2x2 commercial rib. This has the needles set up like this:-



a) The true 2x2 rib. Put the HP lever to P and rack to P5. Set the needles up as shown in a) above. Now put the HP lever to H and turn the racking handle to H4. Bring up one extra ribber needle,

in pattern on the left. Stitch size 2/2, knit one zig zag row across all these needles. (Note, the yarn zig zags across the beds and never goes side by side on the same bed.) Set for circular knitting and knit two rows. Set the HP to P and turn the racking handle back to P5 and transfer the extra stitch to the main bed. To help the machine knit the next row smoothly, bring all needles on main bed and ribber up to HP before knitting across. (Carriage set for normal knitting.) Turn the stitch sizes up to about 3/3 and knit one row. Put on weights. With the stitch size again up to about 4/4, continue to knit the rib. On completion of the rib, transfer two ribber stitches to two empty needles on the main bed, all along the row.

b) The 2x2 commercial rib is cast on using the same principle. With HP on H5, arrange the needles as shown in b) above.

Turn the racking handle to H4 and bring up one extra needle in pattern on the left side of the ribber. Using stitch size 0/0, knit one zig zag row. Insert comb. Knit two circular rows. Rack back to H5 and transfer the extra stitch to the main bed. Put on weights. Using stitch size 2/2, knit one row. Increase stitch size to 3/3 and continue to knit. When you transfer the stitches to the main bed, put one ribber stitch on to a main bed needle that already has a stitch and one ribber stitch on to a main bed empty needle."

Q "Last month you promised to give a method of doing a neat buttonhole for the single bed?"

A "As I had warning of this question, I brought a sample to show the finished result, which looks like this:



This method, although taking a little practice for you to become fast and accurate, is really good as the buttonhole is neat and can easily be made any size you wish. There is also the bonus of no hand sewing to worry about.

Before attempting this method on a garment, try it on a practice piece of knitting. With the three pronged transfer tool and with the wrong side of the work facing you, pick up the 'stitches' along one side of the knitting (as if for a cardigan band). Using stitch size 7 (approximately), knit one row. Using stitch size 6, knit seven rows.

Bring forward to HP four needles where you want the buttonhole. These we will count from the left, 1-4 (note which number on the needle bed they are) and with a contrast colour, knit them back to WP. Give the work a downwards pull beneath these four stitches, as this enlarges the stitches, which will help later.

Knit eight rows at stitch size 7, knit one row using stitch size 6, knit eight rows.

Look at the four stitches in the contrast colour, while gently pulling the work downwards. Note that the waste yarn separates the two lines of loops of main colour. Pick up four loops from the top line of main colour and place them on the original four needles but don't let either stitch go behind the latch. Then bring all four needles forward so that the back stitches only go behind the latches. Now push all

four needles back, so that the stitches in the hooks are pulled through the back stitches (you now have one stitch on each needle).

Put stitch three on to needle number four. Bring the needle forward so that only the back stitch goes behind the latch and then pull the needle back to WP. Put this single stitch back to needle three. Repeat this action by putting stitch two on to needle three. Bring the needle forward letting the back stitch fall behind the latch and then pulling the needle back to finish with one stitch. Move that stitch back to needle number two. Repeat with stitches number one and with the stitch to the left of number one. You now have the original four empty needles.

All you have to do now is to look at the contrast yarn and note that below it there is a line of main colour loops. Pick up these four loops and place them on to the four empty needles. Knit eight rows. Remove all contrast yarn. Pick up along the line of original picked up stitches. At stitch size 7, knit one row and cast off in your method of choice.

If you knit the button band first (with the same number of rows as the buttonhole band) you will know how many stitches are going to be used and from that, work out the spacing of your buttonholes. You can of course do this band in Fair Isle which would look nice. Just make sure that you use a good strong contrast for 'marking' buttonhole stitches."

One knitter had been thinking over the question about ribber knitting and came up with one of her own.

Q "How about transferring the stitches from a 2x2 commercial rib into an every needle rib, say for double jacquard?"

A "There are several ways this can be done, all of which aim to make the transfer neat and avoid that line of little holes. One method, which takes a little longer than most, involves some hand transfer but does look very neat. Knit the final row of rib at main stitch size. Starting at the right-hand side of the work, pick up the heels of all the main bed stitches to fill the empty main bed needles across the row. Starting again on the right, repeat this with the heels of the ribber stitches, filling all the empty ribber needles. Continue to knit.

Another method is much quicker and gives nearly as good a result which you might like better. On completion of the rib, bring all needles up to form every needle rib - make sure the end needles are correct. Set the machine for circular knitting. Knit three rows. Rack to H4 and knit one row. Rack back to H5 and the manoeuvre is completed. I can tell by the expression on your faces which method you are going to try first!"

Once again, the coffee trolley reminded us time was up and the coffee smelt good - so till next time - keep knitting.

Q "I would like some guidance over necklines. I usually bring all needles for the neck plus the left side to HP whilst I knit the first side. This is OK sometimes, but I get problems when using pale colours as I get a dirty line across the work where the carriage rubs."

A "Again, there are many ways of coping with this. I will give a method that prevents it.

When you reach the neck shaping make a note of the row number. 'Mark' the centre stitches, that is, thread up a blunt ended needle with some contrast colour and thread it through the heel of the end neck stitch. Do the same for the left end neck stitch.

For example, if you need

twenty stitches for the neck, 'mark' the heel of stitch ten both sides of 0. Do not break off the yarn, but just remove it from the feeder and thread up with a contrast colour. Knit six rows across all stitches and remove from machine.

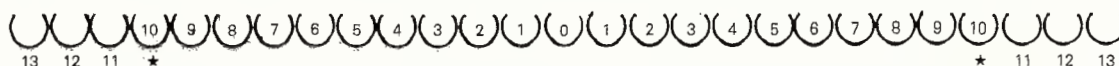
Return the right side stitches to the machine, making sure you pick up the first stitch to the right of the 'marked' stitch (that is,

stitch number eleven). Complete this side.

Take the carriage to the left. Set the RC to the number you previously noted.

Return the left side stitches, again, returning the left stitch next to the one marked on the left (that is, stitch number eleven). Knit this side. Remove the waste yarn only when the neck stitches have been returned to the machine."

★ = marked stitches



2 SLEEVELESS TOP

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for Passap or Pfaff Duomatic machines.

MATERIALS

Atkinson's Soft Cotton.

1 [1, 1, 1] x 350g cone in White (MY).

Knitting in elastic.

GARMENT WEIGHT

Finished garment in first size weighs 220g.

The fibre content of this yarn is 100% Cotton. For further information about this yarn, please write to Atkinson Yarn Designer Collection, Terry Mills, Ossett, Wakefield, West Yorkshire WF5 9SA.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

To fit bust 82 [87, 92, 97] cm, 32 [34, 36, 38] in.

Actual size 90 [95, 100, 105] cm, 35½ [37½, 39½, 41½] in.

Length to shoulder 51 [51, 53, 53] cm, 20 [20, 21, 21] in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

100 stitches on front bed to 30 cm and 100 rows to 17 cm measured over pattern as diagram 1 (stitch size setting approximately 4/4½).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

Count Ns in NWP on front bed as sts throughout unless otherwise stated. When shaping front neck, only actual sts on front bed are counted. Dec sts on back bed as required. If you wish to lengthen this top increase the rows between welt and armhole marker by multiples of 6. Each 6 rows will give you approx. 1.02 cm. length.

PATTERN

Set lock on N/N, K 2 rows. Set lock on N/AX, K 4 rows. These 6 rows form pattern.

BACK

Handle up. Orange strippers. Set up 76 [80, 84, 88] Ns at left and 77 [81, 85, 89] Ns at right of centre 0 on each bed in WP. 153 [161, 169, 177] Ns. Arrange Ns for 1x1 rib. Set lock on N/N and stitch size to 1½/1½. Using MY and knitting in elastic tog, K 1 row. Set lock on CX/CX and stitch size to 2½/2½, K 2 rows. Set RC at 000. Set lock on N/N and stitch size to 2¾/2¾, K 1 row. Break elastic and hold end down between beds. K 35 rows. Set stitch size to 4/4, K 1 row. Transfer sts and arrange pushers as shown in diagram 1. Push empty Ns to NWP. Black strippers. Set RC at 000. Set stitch size to 4/4½ and cont in patt. K 155 [155, 161, 161] rows. Work measures 32 [32, 33, 33] cm, 12½ [12½, 13, 13] in. Place marker at each end *. K 111 [111, 117, 117] rows. RC shows 226 [266, 278, 278] and work measures 51 [51, 53, 53] cm, 20 [20, 21, 21] in. Place a marker on st 26 at left and st 27 at right of centre. Cast off loosely.

FRONT

Work as for back to *. K 51 [51, 57, 57] rows.

SHAPE NECK

Using a length of MY, cast off centre 9 sts loosely. Transfer all sts at left to back bed and return pushers to blocking rail. Put a pusher into WP under every back bed N at right in WP. Cont on these sts for first side (remember to return pushers to blocking rail when decreasing). Set RC at 000. Set lock on BX/N, K 2 rows. Set lock on BX/AX, K 4 rows. Rep these 6 rows throughout and, at the same time, dec 1 st at neck edge on 5th and every foll 6th row 9 times in all. K to row 60. Cast off loosely. Return all pushers to blocking rail. Re-arrange sts and pushers at left as in diagram 1. Set RC at 000. Set lock on N/N, K 2 rows. Set lock on N/AX, K 4 rows. Rep these 6 rows throughout and, at the same time, dec 1 st at neck

edge on every foll 6th row 9 times in all. K to row 60. Cast off loosely. Return all pushers to blocking rail.

NECKBAND

Handle up. Orange strippers. Set up 104 Ns on each bed in WP. * Arrange Ns for 1x1 rib. Set lock on N/N and stitch size to 1½/1½. Using MY and knitting in elastic tog, K 1 row. Set lock on CX/CX and stitch size to 2½/2½, K 2 rows. Handle down. Push up empty Ns in between Ns on back bed to WP. Set lock on N/N and stitch size to 3½/3½, K 2 rows. Break elastic and hold end down between beds. Push up empty Ns in between Ns on front bed to WP. K 3 rows. Black strippers. Set lock on CX/CX and stitch size to 4½/4½, K 2 rows. Set stitch size to 5½/5½, K 2 rows. Set stitch size to 6/6, K 2 rows. Set stitch size to 6½/6½, K 2 rows *. Either join to neck edge by Passap method at this stage or K a few rows with WY and release from machine.

ARMHOLE BANDS

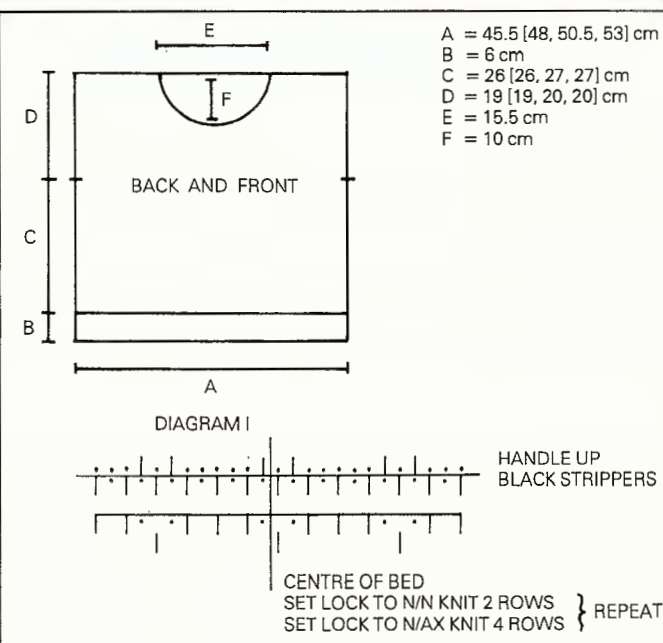
Handle up. Orange strippers. Set up 86 [86, 92, 92] Ns on each bed in WP. Work as for neckband from * to *. Either join to armhole edge by Passap method at this stage or K a few rows with WY and release from machine.

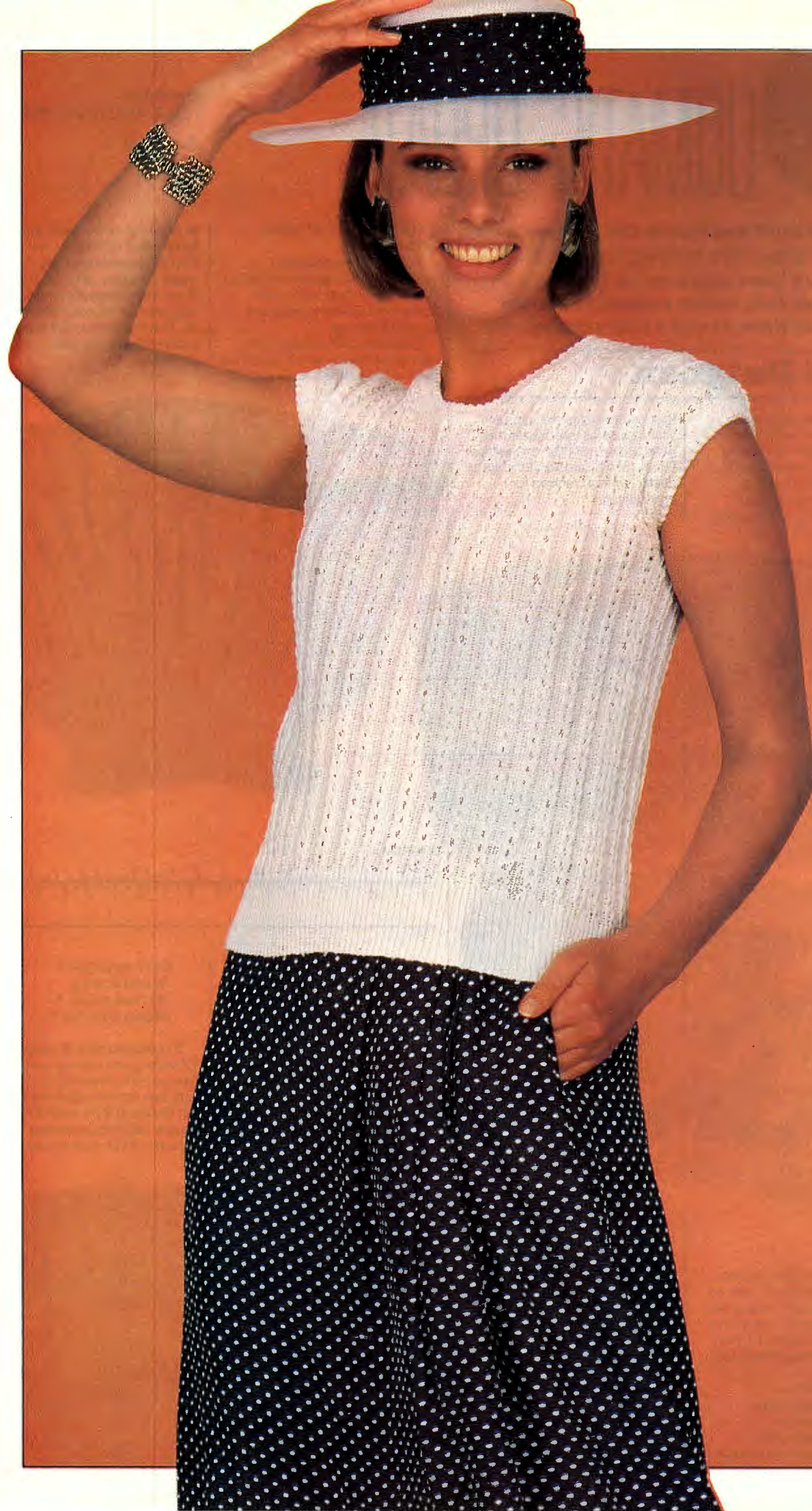
PRESSING

With wrong side facing, pin out all pieces to measurements given and steam lightly.

MAKING UP

Join shoulder seams. If you have not already used Passap method for joining neckband and armhole bands, pin them into position. Unravelling WY as required, backstitch through open loops of last row worked in MY, first on the right side then on the wrong side. Join side, armhole and neckband seams.





DUOMATIC UPDATE

This is the third and last in the present series of articles about the racking handle. Not because we have explored all the possibilities but, as the subject is almost endless, we have to call a halt somewhere.

Hazel Duignan

All the double bed jacquard settings used on the Duomatic can be combined with racking. Rack after the completion of a four row sequence but not necessarily every four row sequence. When you have tried

this, try racking every two rows. Some patterns look better than others. I have knitted one sample for you and a sample of the same design without racking for comparison.

SAMPLE 1a

SAMPLE 1b

1a is knitted without racking. Set up for full needle rib, cast on and knit a few rows. Put a pusher in rest position under every front bed needle. Insert card 10 from the basic set and read card with Deco.

Set lock to N/AX←.
Knit 2 rows main colour.
Knit 2 rows contrast.
Repeat this sequence.

1b. Cast on as above and put a

pusher in rest position under each front bed needle. Read card with Deco.

Set lock to N/AX←.
Knit 2 rows main colour.
Knit 2 rows contrast. 1 × ®
Knit 2 rows main colour.
Knit 2 rows contrast. 1 × ①
Repeat this sequence.

If you compare these two fabrics (I do hope that it shows on the photographs) you will see that although the main colour stitches on 1b look much the same as those on 1a, the contrast stitches

on 1b have a distinct zig zag pattern.

I do not use racking and jacquard combined very often but it is an option and well worth trying with different cards and jacquard settings.

The EX and FX settings give very good results when combined with racking. Both the EX and FX

Please note:

Throughout this article the symbol

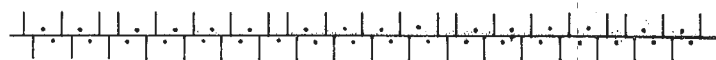
® = ① and

① = ②

settings can give a more stable fabric when racking is used and this helps garments keep their shape. The next sample (2) is one of the many patterns which give "squares" of racked Fisherman's rib. This one has small squares which look well on baby garments.

SAMPLE 2

DIAGRAM A



2. Cast on and knit a few rows of 1×1 rib. Then arrange stitches as Diagram A. I used two strands of 2/30's high bulk acrylic and stitch size 3½/3½. Handle down, orange strippers. Set lock to EX/EX throughout.

* Knit 2 rows ① × 1
Knit 2 rows ® × 1
Repeat 8 times
(16 rows on RC)

Knit 2 rows ® × 1

Knit 2 rows ① × 1
Repeat 8 times
(32 rows on RC) *
Repeat from * to *.

The next sample (3) uses the EX setting and racking again. I have used two strands of 2/30's high bulk acrylic to knit the sample but knitted in 4-ply wool it makes a super fabric for a warmer sweater. If you wish to use the

SAMPLE 3a

SAMPLE 3b

4-ply version, start with a 2x1 rib and, of course, increase the stitch size for the pattern.

3. Set up for full needle rib and then cast on and knit ten or twelve rows.

Transfer stitches as Diagram B.

Handle down. Black strippers

Set lock to N/EX, stitch size

4 1/2/3 1/2.

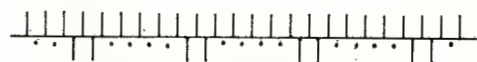
Knit 2 rows ① x 1

Knit 2 rows ② x 1

Repeat this sequence.

I have knitted two samples of this fabric so that you can see both sides of the fabric. The stitch pattern is a good one to keep in mind for knitting a large sweater as the EX stitches on the front bed widen the fabric. Try knitting this using a different needle arrangement on the front bed.

DIAGRAM B



Sample 4 is for a racked band which was used to edge a jacket in an early Passap pattern book. I have used variations of this stitch lots of times and it is very useful. It can even be used as a buttonhole band with the buttons pushed through the strands of yarn.

4. Set up as Diagram C. Handle down. Orange strippers. Set lock to N/N, stitch size 3/3,

K 1 row.

Set lock to CX/CX, stitch size

3 1/2/3 1/2, K 2 rows.

Set lock to N/N, stitch size 4/4,

K 1 row.

* Set lock to EX/EX, stitch size 4/4.

Knit 2 rows ② x 1.

Knit 2 rows ① x 1 *

Repeat from * to * until band is long enough to fit garment.

Sample 5 is very similar to number 4 but the pattern is repeated across the bed to make a fabric instead of a band. It really needs to be knitted in a good quality fine mohair but I have made my sample in a fluffy fancy yarn.

5. Set up as Diagram D.

Handle down. Orange strippers or use blue if you have them.

Set lock to N/N, stitch size 3/3, K 1 row.

Set lock to CX/CX, stitch size 4/4, K 2 rows.

Set lock to N/N, stitch size 4/4, K 1 row.

Set lock to EX/EX, stitch size 5/5.

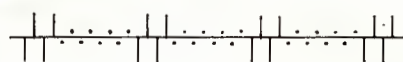
Knit 2 rows ② x 1

Knit 2 rows ① x 1

Repeat this sequence.

SAMPLE 5

DIAGRAM D



The sleeping bag in the Passap Baby Book uses a very nice racked stitch which could be used for other garments. I will knit a sample (6) for those of you who

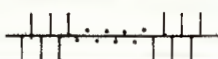
do not have the book.

6. Cast on for 2x1 rib, knit ten or twelve rows then arrange stitches as Diagram E. I used stitch size 4/4.

SAMPLE 4

SAMPLE 6

DIAGRAM C



Handle down. Black strippers.

* Set lock to N/AX, K 4 rows $\textcircled{R}$

$\times 1$.

Set lock to N/N, K 1 row $\textcircled{R} \times 1$.

Set lock to N/N, K 1 row.

Set lock to N/AX, K 4 rows $\textcircled{L} \times$

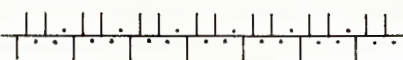
1.

Set lock to N/N, K 1 row $\textcircled{L} \times 1$.

Set lock to N/N, K 1 row*.

Repeat from * to *. This is easier to knit than it sounds. Both sides of the fabric are attractive.

DIAGRAM E



7. Sample 7 is a zig zag braid and can be knitted over any number of stitches.

Arranging needles as Diagram F.

Set lock to N/N, stitch size $3\frac{3}{4}/3\frac{3}{4}$, $\textcircled{R} \times 1$, K 1 row.

$\textcircled{L} \times 1$, K 1 row. This is the cast on.

RC 000. Set lock to EX/EX, stitch size $3\frac{3}{4}/3\frac{3}{4}$. *Knit 1 row without racking.

$\textcircled{R} \times 1$, K 1 row.

$\textcircled{L} \times 1$, K 1 row.

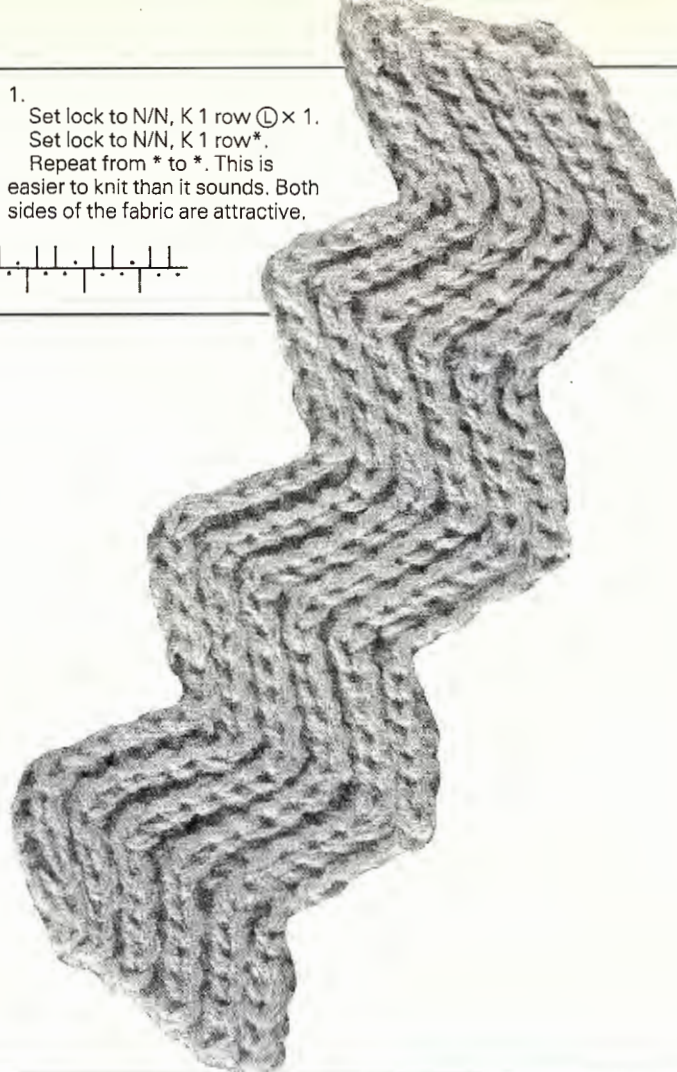
$\textcircled{R} \times 1$, K 1 row.

Knit to RC 12 racking alternately to right and then to left before knitting a row. Knit one row without racking.

Continue knitting to RC 24 racking alternately to left and then to right before knitting a row*

Repeat from * to *.

DIAGRAM F



SAMPLE 8

8. Sample 8 is a fabric which was used in Passap book 39 to knit a man's sweater. It is a beautiful fabric and not too difficult once you get into the racking sequence.

Rack bed completely to right before casting on. Handle down, orange strippers. Set up for a 2×1



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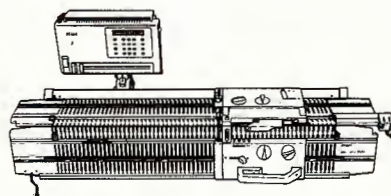
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rib, cast on and knit about 12 rows, finishing at left.

Push up all in between needles on both beds.

Set lock to CX/CX, stitch size 2/2, knit 2 rows.

Set lock to N/N, stitch size 4/4, knit one row.

Arrange needles and pushers as Diagram G.

Set lock to N/BX, stitch size 5/5. Black strippers.

* $\textcircled{R}$ $\times$ 1. Knit 1 row.

Work 5 times in all.

Set lock to N/BX $\rightarrow$, knit 1 row.

Set lock to N/BX, stitch size 5/5

$\textcircled{L}$ $\times$ 1. Knit 1 row.

Work 5 times in all.

Set lock to N/BX $\rightarrow$, knit 1 row*

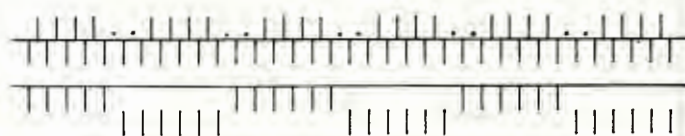
Repeat from * to *.

Perhaps by the time you have tried all these samples you will have been bitten by the racking bug. Try racking your brains for different needle settings and racking sequences and who knows, you may invent an entirely new stitch. Let us know if you do.

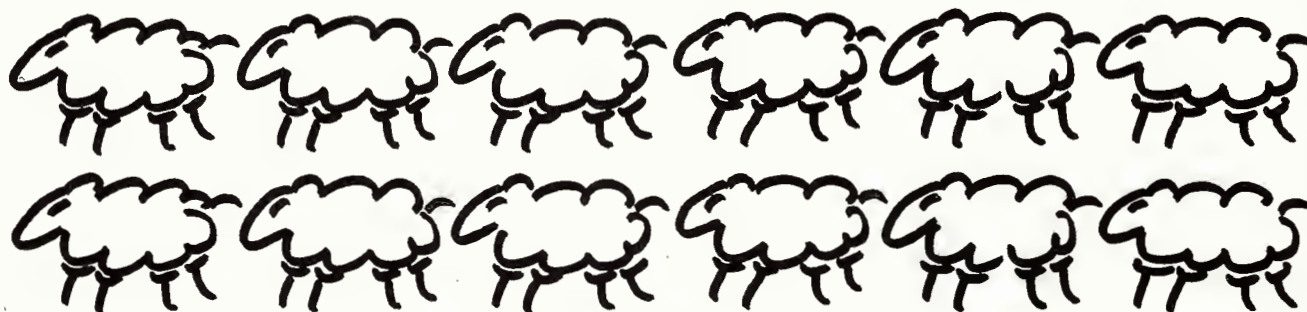
One last reminder to rack before you start to knit the row, as racking and knitting together spell disaster and lots of broken needles.

Happy racking.

DIAGRAM G



DON'T COUNT TOO MANY SHEEP



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BACK

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Push 69 [74, 80, 90, 95, 100] Ns at left and right of centre 0 to WP. 138 [148, 160, 180, 190, 200] Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1x1 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 24 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER

Push 69 [73, 79, 90, 94, 100] Ns at left and 68 [73, 79, 89, 94, 100] Ns at right of centre 0 to WP. 137 [146, 158, 179, 188, 200] Ns. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows, ending with carriage at left. Set RC at 000. Using MT-2 and MC, K 49 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed.

1ST AND 4TH SIZES

Inc 1 st at right edge.

2ND, 3RD AND 5TH SIZES

Inc 1 st at each end.

ALL SIZES

138 [148, 160, 180, 190, 200] sts.

ALL MACHINES

Insert card 1 and lock on first row. Set RC at 000. Using MT, K 144 [156, 160, 160, 166, 166] rows. Work measures 34 [36, 37, 37, 38, 38] cm, 13½ [14¼, 14½, 14½, 15, 15] in. Place marker at each end. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. Using MT+1, K 7 rows. Remove card. Insert card 2 and lock on first row. Cont in st st and MC. Using MT, K 3 rows. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B *. Using MT+1, K 78 [78, 82, 86, 86, 90] rows. RC shows 232 [244, 252, 256, 262, 266] and work measures 55 [57, 59, 60, 61, 62] cm, 21¼ [22½, 23¼, 23¼, 24, 24½] in.

SHAPE SHOULDERS

Cast off 10 [11, 12, 14, 14, 15] sts at beg of next 8 rows and 10 [10, 11, 12, 15, 14] sts at beg of foll 2 rows. Using WY, K a few rows in st st over rem 38 [40, 42, 44, 48, 52] sts and release from machine.

FRONT

Work as for back to *. Using MT+1, K 44 [44, 48, 52, 52, 56] rows. 34 rows less have been worked to shoulder than on back.

SHAPE NECK

Note patt row on card. Using nylon cord, K 74 [80, 87, 98, 105, 112] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Dec 1 st at neck edge of next 8 rows. Dec 1 st at neck edge of next and every

3 MOTHER 'N' DAUGHTER T-SHIRT

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines with or without a ribber.

MATERIALS

King Cole Coral Spun.

1 [1, 1, 1, 1, 2] x 300g cones in White (MC).

1 [1, 1, 1, 1, 1] x 300g cone in Sahara (C).

GARMENT WEIGHT

Finished garment in first size weighs 230g.

The fibre content of this yarn is 85% minimum Acrylic, 15% other fibres. For further information about this yarn, please write to King Cole Ltd., Merrie Mills, Old Souls Way, Bingley, West Yorkshire BD16 2AX.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

To fit bust or chest 71 [76, 82, 87, 92, 97] cm, 28 [30, 32, 34, 36, 38] in.

Actual size 91 [97, 105, 119, 125, 132] cm, 35¾ [38¼, 41¼, 47, 49¼, 52] in.

Length to shoulder 55 [57, 59, 60, 61, 62] cm, 21¾ [22½, 23¼, 23¾, 24, 24½] in.

Sleeve seam 10.5 [11, 11, 11.5, 11.5, 12] cm, 4 [4¼, 4¼, 4½, 4½, 4¾] in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

30 stitches and 50 rows to 10 cm, 4 in measured over stocking stitch (tension dial setting approximately 8). 33 stitches and 42 rows to 10 cm, 4 in measured over Fair Isle pattern on MT+1 (tension dial setting approximately 9).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used knit side of knitting as right side of garment. Punch cards, as shown, before starting to knit. Fill in pattern cards, as shown, before starting to knit.

KNITMASTER ELECTRONIC MACHINES

Place needle 1 cam at centre 0. Press button 1 (left light on) and button 2 (right light on 580 machines, left light on other models).

BROTHER ELECTRONIC MACHINES

Position patterns at each side of centre 0.

foll alt row until 50 [54, 59, 68, 71, 74] sts rem. K 14 rows.

SHAPE SHOULDER

Cast off 10 [11, 12, 14, 14, 15] sts at beg of next and foll 3 alt rows, K 1 row. Cast off rem 10 [10, 11, 12, 15, 14] sts. With carriage at right, unravel nylon cord over 10 [12, 14, 16, 20, 24] Ns at right bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted and take to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side reversing shapings.

SLEEVES

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MC, cast on 112 [112, 118, 126, 126, 134] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 12 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER

Push 110 [110, 116, 125, 125, 134] Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-2 and MC, K 25 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed. Inc 2 [2, 2, 1, 1, 0] sts. 112 [112, 118, 126, 126, 134] sts.

ALL MACHINES

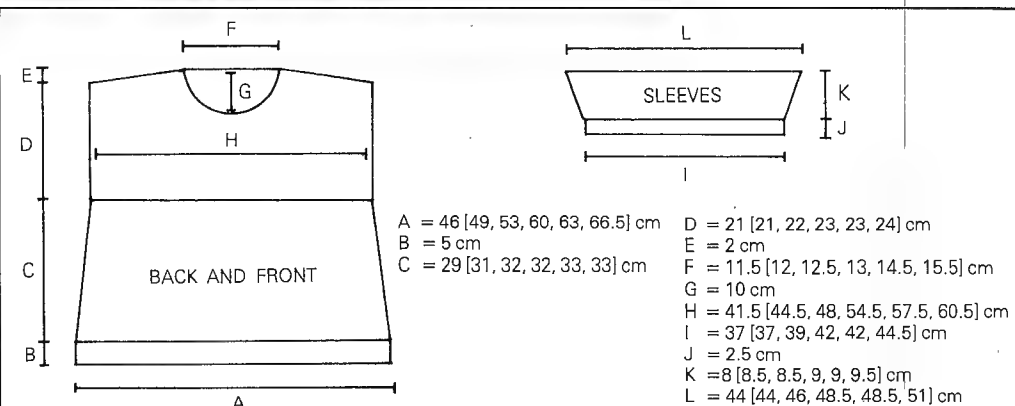
Set RC at 000. Using MT, shape sides by inc 1 st at each end of next and every foll 4th row until there are 132 [132, 138, 146, 146, 154] sts. K 5 [7, 7, 9, 9, 11] rows. RC shows 42 [44, 44, 46, 46, 48] and work measures 10.5 [11, 11, 11.5, 11.5, 12] cm, 4 [4¼, 4¼, 4½, 4½, 4¾] in. Cast off loosely.

NECKBAND

Join right shoulder seam.

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MC, cast on 112



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13/22

[116, 120, 124, 132, 140] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 24 rows. Transfer sts for st st. **MACHINES WITHOUT RIBBER** Push 113 [116, 119, 125, 131, 140] Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-1 and MC, K 6 rows. Using MT-2, K 13 rows. Using MT-1, K 6 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the

row. Unravel WY when work is completed.

ALL MACHINES

With P side facing, pick up sts around neck edge and place on to Ns. Using MT+2, K 2 rows. Cast off.

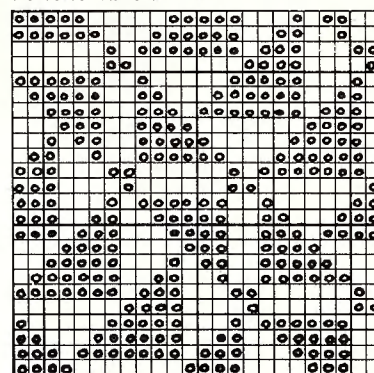
MAKING UP

Join left shoulder and neckband seam. Set in sleeves between markers, easing in. Join side and sleeve seams.

MACHINES WITH RIBBER

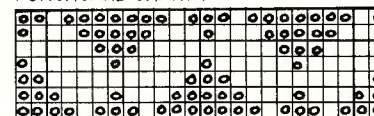
Fold neckband in half to inside and catch down.

PUNCHCARD CHART 2

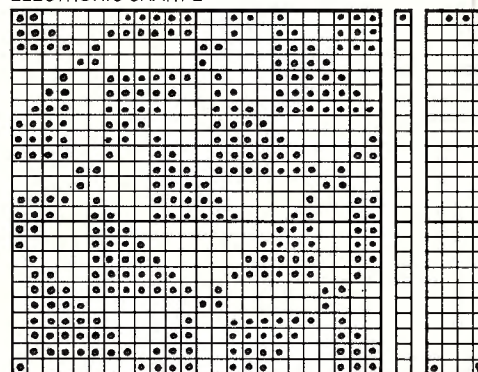


Rep these 24 rows along card, starting and ending with 2 rows of holes, as usual

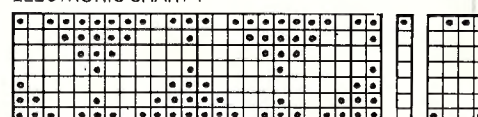
PUNCHCARD CHART 1



ELECTRONIC CHART 2



ELECTRONIC CHART 1





TALKING TOYOTA

A LIFE ON THE OCEAN WAVE

August used to be called the silly season and I see no reason to alter that. This month seems to conjure up thoughts of warm weather, days by the sea, sandcastles and swimsuits. To me the sea also makes me think of cruises and men in navy blue and white and sails and ropes and almost instantly I see lovely sweaters with cable patterns and sailor collars.

Shelagh Hollingworth

COTTON ON TO THIS

With a machine at our disposal we can make garments to suit all types of weather and even if we are going abroad it's as well to have a variety of knitwear to take with us.

I have always been of the opinion that cotton knitwear will have some substantial weight, therefore if I turn it into a lace piece it could still be a bit too heavy to wear during the day and this means I'm still stuck with stocking stitch.

Take, for example, a little halter-neck top. It may have a deep bare back line but hold it in your hands and you will soon realise that it could feel pretty heavy to wear in really hot sunshine on a continental beach. If you want to make it for a British holiday you might be on to a good thing but then if the weather is as cool as that, would a halter-neck top be warm enough anyway?

Earlier in the year I visited some of the chain stores in London when they first had their summer knitting on show and I concluded that they too felt as I did because their jackets were all rather heavy in weight and the "little numbers" were all of the fabric jersey type. Amongst the chain store designs there were plenty of stocking stitch garments kept out of the ordinary by being made in speciality yarns or by having garter stitch sections or braided borders. Some of the most expensive (understandably) had hand embroidery worked on to them. The ones I liked the best were those with cable patterns on them, some in knubby yarns and some in plain and believe me, they all looked elegant as well as

slickly fashionable.

I did not buy any of the things I saw, neither was it my intention to copy anything I had seen – I learned a long time ago that what was in the shops now is past fashion – but I did come away, as you see, with an overwhelming desire for navy and white cable patterns.

PLAITS AND CABLES

Making cables on the Toyota K858 is just as simple as it is on other machines but there are a few basics that you have to adjust to right from the start. I knew that I wouldn't want to be making a sweater or cardigan with all-over cables because that would be rather time-consuming, cables simply have to be made by hand. What is more, even though you may have already made a tension swatch for stocking stitch, you have to make a tension swatch for the cable pattern too, or you are in big trouble; I'm sure you know that cables draw in to almost half their stocking stitch width.

Finally I settled for making a jacket in cotton mixture in four ply thickness with a single cable up each front, two to correspond in the back, one up each centre sleeve and inset pockets incorporating the cables. I settled for a simple six stitch cable, crossing three stitches over three.

To make the test piece I cast on just 40 stitches and knitted a few rows, ending with the carriage at the right. To make the cables work more comfortably it helps to "ladder" a stitch down on either side of the proposed cable panel, so I transferred the fourth stitch to the left and right of centre 0 to the

fifth needle and took the empty needle back to non working position. Next I worked ten rows. On the 11th row I crossed the stitches to make the cable. I used the triple transfer tool and took the three stitches to the left of centre 0 off on to the tool which I held in my left hand while I lifted the three stitches to the right of centre 0 on to another triple transfer tool. These stitches I moved on to the empty needles at the left and finally I transferred the three stitches from the left tool on to the empty needles at the right. A simple crossover was made a whole lot easier by having the adjacent needles in the non working position.

In my cautious way I did all this quite slowly to begin with, there's no point in rushing things at the test piece stage. Before continuing with the next ten rows of stocking stitch I brought the six cable needles out to E position, then on the first of the ten rows the needles returned automatically to working position. This is to ease the yarn through the crossed stitches for that first row, the stitches look a bit "angushed" in this position and you might, like me, want to take the strain off the needles if you can and this is the way to do it.

This was the way I intended to make the cables on my cardigan but I worked quite a long piece before I took it off the machine. I wanted to get a good rhythm to the cable making so that they would have a natural flow since that was how they would appear on the finished garment. It's always best to try to make your sample as near to the completed look as you can and this was no exception. I measured the width of the cable and from this was able to calculate how many extra stitches I would need.

It is perfectly acceptable to leave the single stitch at the sides of the cable as a ladder, in fact they probably won't show, the stocking stitch draws in to either side making the cables and stocking stitch look continuous. However, if you want it to resemble a hand-made item then you can latch up the single stitch at the end. I must confess that I left my stitches as ladders for speed.

WORKING IN THE CABLES

Adding cables to a simple cardigan pattern means an adjustment right from the start.

First find the basic pattern making sure that it will really suit having cables added to it. I chose a round neck style (coward) to make sure that the cable pattern would not be interrupted by the neck shaping. I concentrated on the fronts first, knowing that once I had lined up where to place the cable panels, fitting them to the back would be child's play. My

design had no pockets so I had to add those too. It was mostly done by eye, I placed the pocket to the centre of each front and allowing for the cable to run up the centre of the pocket I merely had to see where this would come in line with the shoulder; just a little forward of centre as it turned out.

Now I had to alter the stitches. I needed to add an extra six stitches for each cable. Had I been hand knitting the garment all I would have had to do would be to increase after the rib. With machine knitting we have to be at least one step ahead and, knowing that we'll have more stitches in the main part of the work than the welts, we have to arrange to work the welts later.

Working on the let's-see-how-the-fronts-look-first principle I began with a front, using waste yarn and knitting a few rows with the increased number of stitches. Then with the main yarn I worked one row to bring the carriage to the right. Before going further I laddered the stitch on each side of the cable as I had for the sample piece and I was away. I had to keep an eye on the row counter because I wanted to make a pocket "slit" after five inches (12 centimetres). This I did with waste yarn and then carried on as before with the pattern. After completing this piece I turned the front upside down and worked the pocket lining in plain stocking stitch, leaving the remaining stitches on waste yarn for the ribbed border for later. Then I left the whole section overnight.

The following day I reviewed the front and decided it was well worth carrying on. I made the other front and then, by lining up the cable with the number of stitches for the back, this was an easy part to make. As with the fronts I placed the work on to waste yarn so that I could add the welts later.

To make life easier I arranged for the jacket to have the ubiquitous dropped shoulders and that meant all I needed to do for the sleeves was to increase the number of stitches and cast on with waste yarn. Then I continued, working the cable at the centre but keeping the side increases as for the normal sleeve. I ended up (to my relief) with a sleeve of the desired width and simply cast off straight.

I was still enraptured with the idea of navy blue and white and to keep to this scheme I decided to work navy and white striped welts. Using the ribber, with navy, I cast on a number of stitches suitable for the basic pattern, without adding in the increased number needed for the cables and I worked the K 1, P 1 rib in stripes as usual. Once the rib was the length I wanted I transferred the stitches to the main bed and worked one row. All I had to do then was to place the first row of the main section on to the needles and decrease the extra stitches as close to the cable as

C CLUB LINE

It isn't easy to keep track of all the machine knitting clubs around and you would be surprised how many requests we have from readers who would like to join one. So if your club has room for new members, drop us a line about your activities and any changes you make. Don't forget to register your club with us if you haven't already done so.

Edited by **Sue Watson**

ISLE OF WIGHT

Gillian Proudfoot, co-ordinator for the twelve Isle of Wight machine knitting clubs, has sent us a list with the latest information on meeting places and contacts. Gillian comments that all the clubs are thriving – anyone wishing to join a club in their area should contact the appropriate organiser by telephone.

CARISBROOKE

Held at the Methodist Church Hall, Gunville, on second and fourth Wednesdays. Details from Audrey Timothy – 523452.

COWES

Held at Medina Amateur Boxing Club, Cowes, on alternative Fridays. Details from Ann Davies – 295447.

NEWPORT

Held at the Red Cross Hall, Hunnyhill, on the first and third Thursday from 7.30 pm to 9.15 pm. Details from Sue Neill – 297338.

◀29 TALKING TOYOTA

possible. I knitted one row and cast off loosely. Naturally the other ribbed sections followed suit, also the pocket tops.

The front bands I made in simple single rib in navy blue, just a continuous strip, I thought that working them sideways with stripes might be a little too much. I was happy with this nautical design and it was extremely easy to do. Next time I think I'll be a bit more adventurous. I could work in more cables, certainly a cable panel at the sides of the front bands would have looked good and I wouldn't mind having a sweater with a centre front cable with a white sailor collar – or how about a nice navy sweater with a lovely sailor...

NEWPORT MORNING CLUB

Held on second Tuesday from 9.30 am to 11.30 am. Details from Margaret McKenzie – 525383.

RYDE

Held on last Wednesday at St John's Church Hall, Ryde. Details from Doris Cox – 882969.

SANDOWN

Held at St John's Church Annexe, Sandown on first and third Wednesday from 1.30 pm to 3.30 pm. Details from Doris Coutts – 405646.

VENTNOR

Held at Ventnor (members' houses) on every Monday from September to April (closed in the summer). Details from Hilda Anderson – 855118.

VENTNOR

St Boniface Knitters – held at Knight's Court, Ventnor on every Monday from 7.00 pm to 10.00 pm. Details from Joan Baker – 852325.

PASSAP CLUB

Details from Joy Wenham – 864306.

SINGER/SUPERBA (FRENCH ELECTRONIC CLUB)

Held on last Wednesday from 7.30 pm to 9 pm. Details from Margaret McKenzie – 525383.

ELECTRONIC CLUB

Held at Sandown on second Wednesday from 2.00 pm to 4.00 pm. Details from Doris Coutts – 405646.

WEST WIGHT

There's just time to let you know that the West Wight Machine Knitting Club has a summer Sale of Work on Saturday, 28th July at the Wesley Hall, Brookside Road, Freshwater.

Secretary, Doreen Brown writes to invite any readers who may be on the Isle of Wight for their holidays to go along and introduce themselves. The Sale is from 9.30 am to 1.00 pm so you could spend a pleasant morning comparing notes with other knitters.

Apart from August, the club meetings are held at the Red Cross Hall, opposite Colwell Common, Totland. They are in the evening from about 7.00 pm to 9.00 pm on the second and fourth Wednesday of the month. Details from Jerry Acaster – 761203.

ANGLESEY

Betty Cox, the secretary of Amlwch Knitting Club has written to tell us about an Exhibition and Sale of Work that has been organised by her club and The Llangejni Knitting Club.

The event takes place at Anglesey on Wednesday 1st August from 2 pm – 5 pm and 7 pm – 9.30 pm. Tickets cost £1.00 which includes tea and biscuits. Do go along if you can, as the clubs have organised this day in aid of the Alder Hey children's hospital in Liverpool. If you have any queries, Betty's telephone number is 0407 780592.

ST. HELENS

A plea for a knitting club in her area from one of our readers was quickly answered by J. E. Toole, organiser of the St. Helens Club. The club caters for all levels of machine knitting and draws members from a wide area. Meetings begin at 7.30 pm on the second and fourth Tuesday of each month. The venue is Liverpool-St. Helens R.U.F.C., Moss Lane, Windle, St. Helens. For information please ring 0704 821293.

HORWICH

The first Tuesday of the month, 7.30 pm to 9.30 pm is meeting time for Horwich Machine Knitting Club at the Pensioners' Hall, Rock Street, Horwich, Bolton. There is a change of address for the secretary. Kathleen Humphries is now at

Fairways, 16 Medway Close, Stocks Park, Horwich, Bolton BL6 6DA.

CHESHUNT

Cheshunt Duomatic Club, run by Pauline Dobson, is on the look-out for new members so if you have a Passap or Pfaff and live in the area give her a call on 0992 39672. The meetings are on the first Tuesday of the month from 7.30 pm to 9.30 pm.

LITTLE LEVER

The Little Lever Machine Knitting Club near Bolton would like to make sure that their new venue is known to other knitters. They have now become "regulars" at the Queen Anne Public House – not for the alcohol, but more for the "spirit" of machine knitting! S.J. Lomax will be pleased to give details of club meetings and the phone number is 0204 794743.

CHESTERFIELD

The Hunlockers Machine Knitting Club meets on alternate Wednesday evenings from 8 pm to 10 pm at the Hunloke Adult Education Centre. Phone Mrs Monica Pegg on 0246 865187 for further details.

CHRISTCHURCH

If you live in the Bournemouth area, the Kingfisher Knitting Club will be pleased to welcome both new and experienced knitters to their meetings. They hold demonstrations at every meeting and have the belief that there is always something to be learnt. Phone Mrs Shirley Mitchelmore on 0202 573337 or Mrs Georgie Sweet on 0202 474786 for more information. The club meets on alternate Tuesday afternoons from 2 pm to 4 pm at the Muscliff Community Association Centre.

BURY

Bury Knitwits, a club in the Greater Manchester area, have recently written to inform us of a change of venue and secretary. They now meet in the Oddfellows Hall, Manchester Road, Bury, every second Tuesday evening between 7.30pm and 9.30 pm. The new secretary is Mrs Dorothy Bithell and her phone number is 0942 875861

FERNDOWN

The Machine Knitters Club at Tricketts Cross, Ferndown has a new secretary, June Kinge. The club meets in the Community Centre every first and third Tuesday afternoon of each month

from 2 pm to 4 pm. June can be contacted by phone on 0202 882019.

RUNCORN

The Widnes Machine Knitting Club now hold weekly meetings at the Ditton Community Centre, in Widnes, every Wednesday evening from 7.30 pm to 9.30 pm. This is a self help group and a great opportunity for sharing ideas in a friendly atmosphere. For further information, contact the organiser, Elaine Burton on 0928 569288.

ELY

The Fenny Machine Knitting Club has evening meetings in the Mepal Village Hall, Mepal, near Ely. They are from 7.30 pm to 10.00 pm on the third Monday of the month. For details you can either ring Wendy Plumb, 0353 778339 or Sheila Jee, 0353 740274.

ADDLESTONE

Runnymede Knitting Club meets at the home of the organiser, Mrs J. Waite on the second Wednesday evening of the month. The time is 7.30 pm. If you would like to know more Mrs Waite's telephone number is 0932 840966.

SUTTON COLDFIELD

Details of the meeting of the Sutton Coldfield Club infer that there is a nice 'chat' session before they get down to business. Meetings are at 8.00 pm with arrival from 7.15 pm onwards. They are held on the second and fourth Wednesday every month at the Fellowship Hall, South Parade, Sutton Coldfield. The club leader is Mrs G. M. Drake and her number is 021-353 3551.

WARLEY

AllSew-Knit, the local specialist machine knitting company has two clubs as an extension of the services offered by the shops.

Both clubs meet at the branch at 9 Halesowen Street, Rowley Regis, but on different days. For owners of Japanese Knitting machines there are two meetings a month on the first and third Friday at 7.30 pm. For the owners of Pfaff/Passap machines there is one meeting a month, at 7.30 pm on the last Wednesday.

To know more about either club, ask for Linda or Kate at the shop. The telephone number is 021-559 3272.

SOUTHAMPTON

The Romsey Machine Knitting Club meets at Gainsborough Court, Willis Avenue, off Fleming Avenue, North Baddesley on the third Tuesday of every month except December. The time is 7.45 pm and the club has a new leader in Maureen Lord whose telephone number is Romsey 513798.

WATFORD

There is a new Watford and Rickmansworth M/K club which meets at St Michael's and All Angels, Littlebury Hall, Mildred Avenue, Watford. More details from Lesley Rees, the secretary, on 0932 248126 but the meetings are on the third Wednesday of the month from 8.00 pm to 10.00 pm.

BRISTOL

Chairman of the Big Knits Knitting Club of Hanham, Terri Horsman, who is now acting as secretary, writes to say that the club still meets on the third Tuesday of the month at the Hanham Folk Centre, 7.30 pm but if anyone needs to get in touch, Terri's phone number is 0272 712730.

ASHFORD, KENT

Knit-Together is a good name for the local knitting club as the meetings are held in the members' houses. These are afternoon meetings, 1.00 pm to 3.00 pm, on the first and third Tuesdays of the month. If you would like to know more, the organiser is Pat Fisher and her 'phone number is 02373 2126.

AMERSHAM

The Chiltern Machine Knitters' Club meets at Amersham Common Hall, White Lion Road, Amersham on the third Wednesday evening of the month. The time is from 7.45 pm to 10.15 pm and if you would like more details, ring the leader, Claudie Cameron-Wilson on 0895 833920.

LANGLEY AND WINDSOR

These are two separate clubs but both are now being organised by Moira Hayward in her spare time presumably between running Saturday workshops, a Summer School and giving private tuition. If you live in these areas you would have lots of experienced help to gain by joining the club. The Langley Club meets at Westfield Hall and the Windsor club in Gardners' Hall but it would be best to ring Moira for the details. Her telephone number is 0753 42063.

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Organiser's telephone number

Name of club

Organiser's postal address

Town

County Postcode

Full address of club meetings

Town

County Postcode

Monthly date(s) of meetings

Time of meetings

Please include only one entry on this form and print the details
on plain paper if you prefer not to cut your magazine.

12114

BACK

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1×1 rib. Push 90 [95, 100] Ns at left and right of centre 0 to WP. 180 [190, 200] Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT-5/MT-5, K 24 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER

Push 90 [94, 100] Ns at left and 89 [94, 100] Ns at right of centre 0 to WP. 179 [188, 200] Ns. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows, ending with carriage at left. Set RC at 000. Using MT-3 and MC, K 49 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC, evenly along the row. Unravel WY when work is completed.

1ST SIZE

Inc 1 st at right edge.

2ND SIZE

Inc 1 st at each end.

ALL SIZES

180 [190, 200] sts.

ALL MACHINES

Insert card 2 and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. Set RC at 000. Using MT, K 134 [138, 138] rows. Work measures 37 [38, 38] cm, 14½ [15, 15] in. Place marker at each end *. K 96 [96, 100] rows. RC shows 230 [234, 238] and work measures 59.5 [60.5, 61.5] cm, 23½ [23¾, 24¼] in.

SHAPE NECK AND SHOULDERS

Note patt row on card. Using nylon cord, K 118 [123, 128] sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. Cast off 10 [11, 12] sts at beg of next row, 4 sts at beg of next row, 10 [11, 12] sts at beg of next row and 4 sts at beg of next row. Dec 1 st at neck edge on every row and, at the same time, cast off 10 [11, 12] sts at beg of next and foll alt row, K 1 row. Cast off rem 10 [11, 12] sts. With carriage at right, unravel nylon cord over 56 Ns at right bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted and take to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side reversing shapings.

FRONT

Work as for back to *. K 66 [66, 70] rows. 30 rows less have been

4 FAIR ISLE T-SHIRT

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines with or without a ribber.

MATERIALS

King Cole Coral Spun.

1 [1, 1] × 300g cone in Aqua (MC).

1 [1, 1] × 300g cone in Sahara (C).

GARMENT WEIGHT

Finished garment in first size weighs 355g.

The fibre content of this yarn is 85% minimum Acrylic, 15% other fibres. For further information about this yarn, please write to King Cole Ltd., Merrie Mills, Old Souls Way, Bingley, West Yorkshire BD16 2AX.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

To fit bust 87 [92, 97] cm, 34 [36, 38] in.

Actual size 108 [114, 120] cm, 42½ [45, 47¼] in.

Length to shoulder 59.5 [60.5, 61.5] cm, 23½ [23¾, 24¼] in.

Sleeve seam 11.5 [12, 12.5] cm, 4½ [4¾, 5] in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

33 stitches and 42 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial setting approximately 9).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used knit side of knitting as right side of garment. Punch cards, as shown, before starting to knit. Fill in pattern cards, as shown, before starting to knit.

KNITMASTER ELECTRONIC MACHINES

Place needle 1 cam at centre 0. Press button 1 (left light on) and button 2 (right light on 580 machines, left light on other models).

BROTHER ELECTRONIC MACHINES

Position patterns at each side of centre 0.

worked to shoulder than on back.

SHAPE NECK

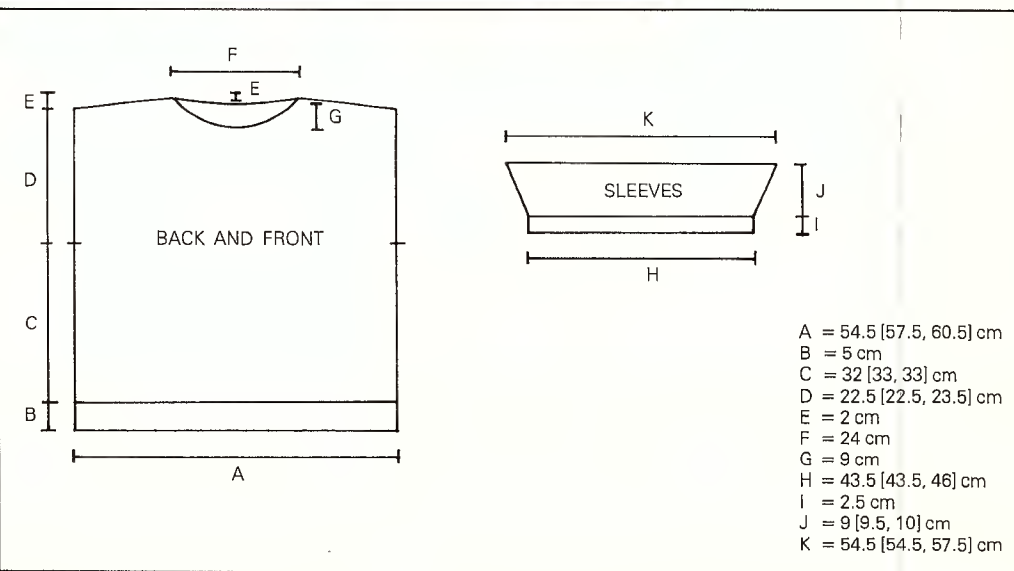
Note patt row on card. Using nylon cord, K 106 [111, 116] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Cast off 4 sts at beg of next and foll alt row, K 1 row. Dec 1 st at neck edge of next and every foll alt row until 50 [55, 60] sts rem. K 2 rows.

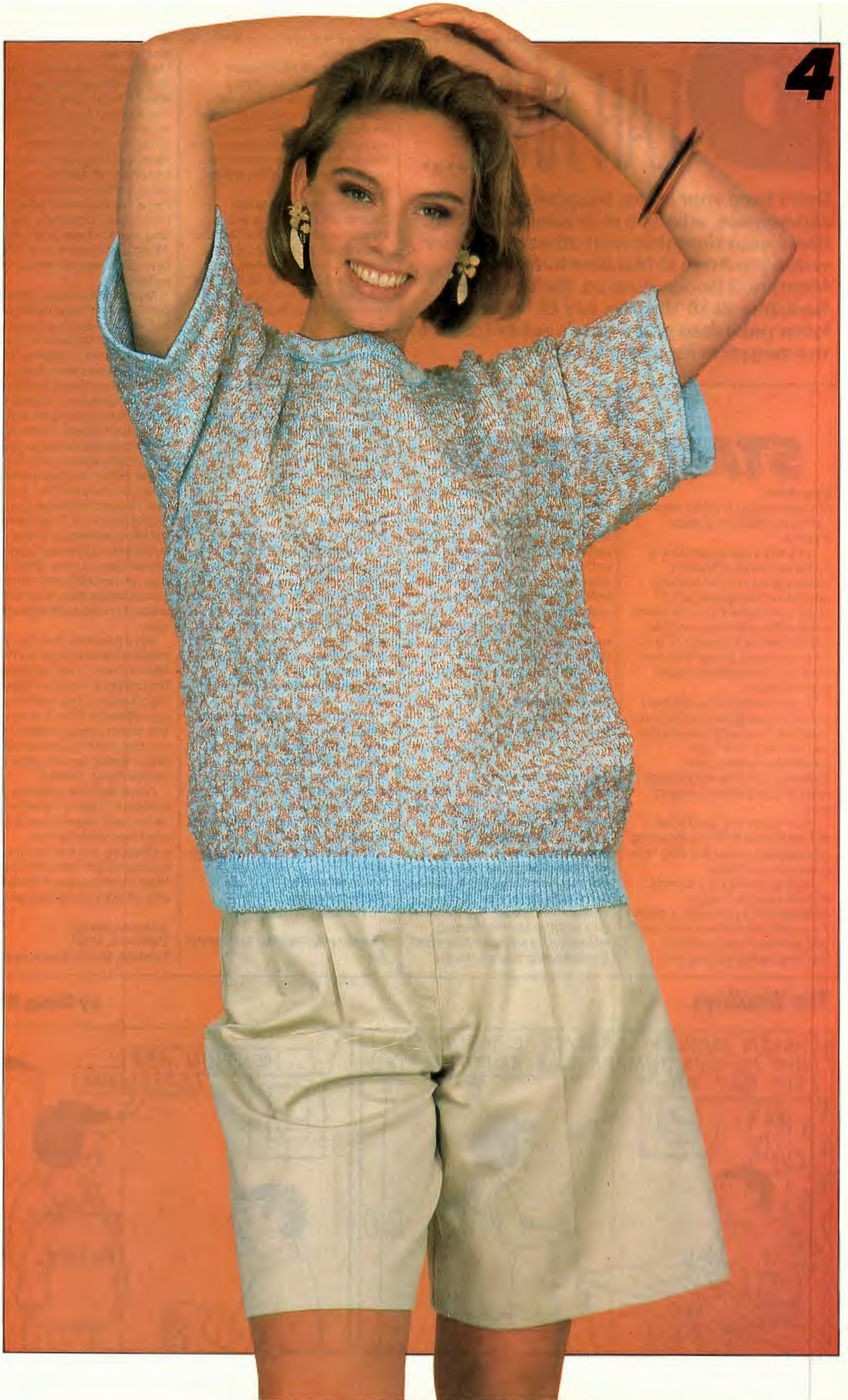
SHAPE SHOULDER

Cast off 10 [11, 12] sts at beg of next and foll 3 alt rows, K 1 row. Cast off rem 10 [11, 12] sts. With carriage at right, unravel nylon cord over 32 Ns at right, bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted and take to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side reversing shapings.

SLEEVES

Push 72 [72, 76] Ns at left and right of centre 0 to WP. 144 [144, 152] Ns. Insert card 1 and lock on first row. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-2 and MC, K 10 rows. Using MT+1, K 1 row. Using MT-2, K 2 rows. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. Using MT-1, K 7 rows. Remove card. Insert card 2 and lock on first row. Cont in st st and MC. Using MT-2, K 2 rows. Make a hem by placing loops of first row worked in MC on to corresponding Ns. Unravel WY when work is completed. Using MT, K 1 row. Set RC at 000. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. Shape sides by inc 1 st at each end of every alt row until there are 180





DEAR ANNE...

Don't keep your ideas, suggestions, experiences, criticism or praise to yourself. Share your thoughts with other readers by writing to Anne at Machine Knitting Monthly, 3 Bridge Avenue, Maidenhead, Berkshire SL16 1RR. We pay £5 for every letter published plus a year's subscription to the magazine for a Star Letter.

★ STAR LETTER

Dear Anne,
Oh, how much I enjoyed Joan Lafferty's article on shadow pleating.

I am only a raw beginner and had never heard of shadow pleating but am now fired with ambition to make such a skirt. Hope I can make it in under seven years as time is not on my side. Soon I shall be 71 years old. It is so encouraging to read that even knitters of long standing have their off times.

At the present time I am busy practising and getting to know my machine. I am really learning the hard way but I don't get despondent when I have problems and have to start again. After all that's the only way to learn.

Having only one good hand, I did have some difficulty in picking up dropped stitches but now I can even pick up a ladder.

Another article I found most interesting was Shelagh Hollingworth's piece about clubs. How right she is when she says that a problem which seems insurmountable to a novice is a

mere nothing to an experienced knitter.

There is no club near me. I have toyed with the idea of starting one but as I am disabled perhaps it is not such a good idea after all. It would be nice to meet other knitters and compare progress and swap ideas.

However, I always look forward to my magazine and find many tips in it. I hope to go from strength to strength with my knitting.

Yours sincerely,
Renee Birks,
Rye, E. Sussex.

Thank you for such an enjoyable letter Renee. It has to be this month's Star Letter and earns you £5 and a year's subscription to MKM. Congratulations on making such good progress with your knitting even though it has been extra difficult for you. If any readers living near Rye do know of a knitting club for Renee, please let us know and we shall pass the information on. Ed.

Dear Anne,

I have just read Ann Taylor's comments on skirts - hems - pressing, in the March issue.

I have used knitting machines on and off since 1955, starting with a Girotex and finishing with a Passap. Many a skirt has come under the iron and many a drop and dip resulted.

Until, and I bless the day, Patricia Whitfield came to our Machine Knitting Club in Stafford. I would never have thought that anyone could have talked about using an iron for over an hour and had a roomful of housewives on the edge of their seats, but she did.

What that lady did with bits of knitting - acrylic and wool - was magical. Every skirt I have made since has been all I could wish for. The only tools needed? One steam iron, binding wires and Patricia Whitfield's leaflet on pressing skirts.

Yours sincerely,
Ruth Waterhouse,
Stone, Staffordshire.

Dear Anne,

After getting more and more frustrated with tight lines to undo because the almost empty yarn cone had fallen over, I decided to do something 'concrete' about it.

I sorted out six empty cones - escaped to the garden shed and with the aid of a bag of sand and cement bought from a DIY store, I proceeded to fill the cones. I allowed a few days for them to set and harden.

Great success. No more tight lines. Any cone of yarn, large or small, will sit neatly on the top. They can be placed anywhere - table or floor - very versatile especially if you use industrial yarns as I do quite often.

I thought perhaps a few willing husbands would like to try this little idea to help their wives keep sane.

Yours sincerely,
Barbara Pascoe,
St. Austell, Cornwall.

Over to you - willing husbands! Ed.

Dear Anne,

I feel that I must tell you about my 'find' in Athens. We had been told about the Saturday market in the Plaka district and quite by chance wandered into it. Well, talk about Aladdin's Cave or Knitter's Paradise! Shop upon shop with mountains of delicious yarns, you name a colour or type and it was there. My eyes were popping and my husband practically had to drag me out. Next time I visit Athens, I will leave my clothes behind and take an empty suitcase.

My real story is this. When Bond knitting machines first came out, I bought one but never found anyone near home who could help me to use it properly. In this shop in Athens were huge posters about Bond machines and all the accessories. I spoke to the lady who was giving a lesson (I have learnt Greek), explained my difficulties and caused a great deal of amusement with the Greek ladies who had gathered round when I said I had to come to Athens to learn how to use an English machine. They gave me the Bond address in England and I wrote asking why we cannot get this service at home. Bond replied that, as manufacturers, they cannot tell retailers how the product should be displayed or sold.

It is a great pity that the Greek retailers cannot teach the British retailers how to sell and promote the products they buy. Cypriot shop keepers, too, really make you welcome in their shops but in this country shop keepers make you feel that they are doing you a favour letting you into their shops to spend your money!

I have also met machine knitters in Cyprus. I went into a factory and asked to see their machines working. Very interesting, but the owner was puzzled when I told him I had three machines but knitting was only a hobby, not a business.

Yours sincerely,
Pauline C. Inker,
Penarth, South Glamorgan.

The Woolleys

by Doug Baker



Thank you for an interesting tale, Pauline. I suspect that your 'find' might prompt a few knitting clubs to book a holiday in Athens! The rest of your comment is a rather sad reflection on our shops. I am afraid there are all too many who don't give the service we would like but I am sure that many readers would leap to the defence of their local dealer or wool shop who has become their friend by putting the customer first. May they be the ones who prosper! Ed.

Dear Anne,

I was interested in the letter from Christina Bligh in your March issue about 12 stitch patterns as I have a Toyota 747 which I bought second hand. Having never used a knitting machine before I went to my local stockist and bought (you've guessed it), 24 stitch punchcards. I exchanged them later for 12 stitch punchcards and whilst in the shop noticed a book called 'Chunky Punchcard Patterns' published by The Silver Knitting Institute, Japan. The lady in the shop told me these were 12 stitch patterns so I bought the book and was delighted to find that there were 144 patterns.

I tried one of the tuck stitch patterns from the book and was

horrified to find it was nothing like the picture. I set about trying to solve the problem by experimenting with the buttons on the main carriage and hey presto, I worked it out.

I thought if any of your readers want this book or already have it and are having the same problem, they might like to know my solution. Fair Isle – As you would knit normally.

Tuck Stitch – Push in both tuck buttons and leave pushed in until finished.

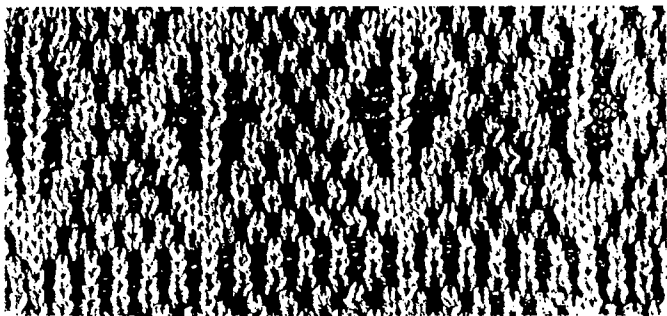
Slip Stitch – Push in both empty buttons and leave pushed in until finished.

Punch Lace – This was the worst of the lot. Firstly you do not use the lace carriage at all but set the carriage for Fair Isle and use four ply wool in Feeder 1 and either a single ply wool or overlock cotton as I did, in Feeder 2. Then just knit as you would for Fair Isle. I've sent you a sample so that you can see the effect of this method. I can tell you I was more than happy.

Weaving – Is the same as the manual that comes with the machine tells you.

I hope other readers get as much pleasure out of this book as I have.

Yours sincerely,
Denise Johnson,
Strood, Kent.



Dear Anne

Not having much time to play with machines, yes, I have three Brothers! – I took some annual leave owing to me and had two glorious weeks at home with my machines. And so, a few days ago, I decided to experiment with the Plating facility.

Being proud of my common sense and having the ability to be mechanically minded, I proceeded to unscrew the two top screws to remove the yarn feeder from the sinker plate assembly. After several unsuccessful attempts I began to wonder if, in fact, these were the correct screws and if perhaps, they weren't meant to be removed.

Still, one quick glance in the instruction manual and I shall find out. Page 114 clearly shows it all in picture one with red arrows plus written caption beneath each illustration. And there it was, silly me, the Japanese turn their screws clockwise to undo them. So I tried. Nothing! Tried again and SNAP – one broken screw!!! I now tried again to unscrew the other one MY WAY and, hey presto, one screw removed

intact. But, now I am left with a piece of broken screw in my yarn feeder and I am unable to use it. This particular day being a Sunday, there was little I could do but wait for Monday morning.

A telephone call to Metropolitan at Poole, Nantwich, promptly at 9 am, then a dash to the Post Office with the yarn feeder suitably packed up and by Friday, I had my yarn feeder back plus two new screws and all's well. My thanks to Mr F. Mark Hocknell at Metropolitan, for his prompt and kind assistance.

My point is, the red arrows on page 114 in the Brother 950 Instruction Manual are incorrect; even in picture three, for tightening the screws, arrows show the wrong way. Fortunately, the damage to my machine was not more serious.

Yours sincerely
Hilde Williams
Huntingdon, Cambs

Thank you Hilde for passing on the information to other Brother owners – the Japanese obviously are on the wrong thread!

[180, 190] sts. K 2 [4, 4] rows. RC shows 38 [40, 42] and work measures 11.5 [12, 12.5] cm, 4½ [4¾, 5] in. Using MC, cast off loosely.

NECKBAND

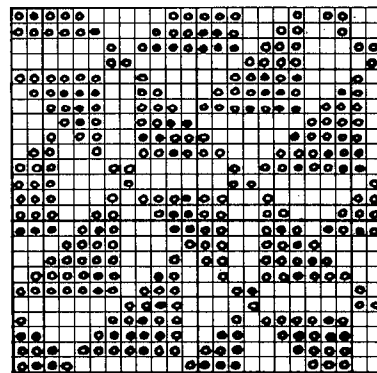
Join right shoulder seam. Push 91 Ns at left and right of centre 0 to WP. 182 Ns. Insert card 1 and lock on first row. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT–2 and MC, K 2 rows. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. Using MT–1,

K 7 rows. Cont in st st and MC. Using MT–2, K 2 rows. Using MT+1, K 1 row. Using MT–2, K 10 rows. Make a hem by placing loops of first row worked in MC on to corresponding Ns. Unravel WY when work is completed. Using MT, K 1 row. With P side facing, pick up sts around neck edge and place on to Ns. Using MT+1, K 2 rows. Cast off.

MAKING UP

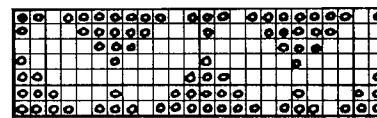
Join left shoulder and neckband seam. Set in sleeves between markers, easing in. Join side and sleeve seams.

PUNCHCARD CHART 2

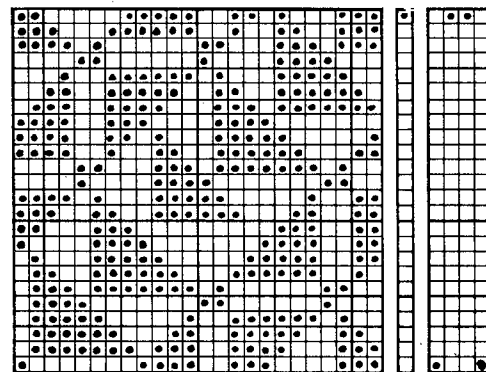


Rep these 24 rows along card, starting and ending with 2 rows of holes, as usual

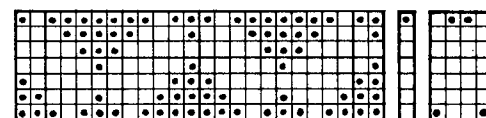
PUNCHCARD CHART 1



ELECTRONIC CHART 2



ELECTRONIC CHART 1



CARDIGAN BACK

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1×1 rib. Push 73 [85, 97] Ns at left and right of centre 0 to WP. 146 [170, 194] Ns. * Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using MC, cast on and K 3 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 30 rows. Transfer sts for st st *. Inc 1 st at left edge. 147 [171, 195] sts.

MACHINES WITHOUT RIBBER

Push 73 [85, 97] Ns at left and right of centre 0 to WP. 146 [170, 194] Ns. * Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows, ending with carriage at left. Set RC at 000. Using MT-2 and MC, K 61 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC, evenly along the row. Unravel WY when work is completed *. Inc 1 st at left edge. 147 [171, 195] sts.

ALL MACHINES

Insert card 1 and lock on first row. Set RC at 000. Using MT, cont in Fair Isle patt. K 132 [138, 144] rows. Work measures 41 [42.5, 44] cm, 16¼ [16¾, 17¼] in.

SHAPE ARMHOLES

Cast off 8 sts at beg of next 2 rows.

1ST SIZE

Dec 1 st at each end of next and every foll alt row until 109 sts rem, then on every foll 4th row until 105 sts rem.

2ND AND 3RD SIZES

Dec 1 st at each end of every row until 137 sts rem, then on every foll alt row until [113, 121] sts rem.

ALL SIZES

K 37 rows.

SHAPE NECK

Note patt row on card. Using a length of MC, cast off centre 33 sts. Using nylon cord, K 36 [40, 44] sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Cast off 4 sts at beg of next and foll alt row. Dec 1 st at neck edge of next 6 rows. 22 [26, 30] sts.

SHAPE SHOULDER

Dec 1 st at neck edge of foll 3 alt rows and, at the same time, cast off 5 [6, 7] sts at beg of next and foll 2 alt rows, K 1 row. Cast off rem 4 [5, 6] sts. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side reversing shapings.

RIGHT FRONT

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1×1 rib. Push 1 N at left and 73

5 FAIR ISLE CARDIGAN AND SKIRT

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines with or without a ribber.

MATERIALS

Spectrum Detroit 4-ply Perle.

CARDIGAN

3 [3, 4] × 100g balls in French Navy (MC).

3 [3, 4] × 100g balls in Ivory (C).

8 buttons.

SKIRT

3 [3, 3, 4] × 100g balls in French Navy (MC).

1 [1, 1, 1] × 100g ball in Ivory (C).

Elastic to fit waist.

GARMENT WEIGHT

Finished Cardigan in first size weighs 435g.

Finished Skirt in first size weighs 265g.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to Spectrum Yarns Ltd., Bankwell Road, Milnsbridge, Huddersfield, West Yorkshire HD3 4LU.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

CARDIGAN

To fit bust 82-87 [92-102, 107-112] cm, 32-34 [36-40, 42-44] in.

Actual size 93 [109, 124] cm, 36½ [43, 49¾] in.

Length to shoulder 61 [63.5, 66] cm, 24 [25, 26] in.

Sleeve seam 44 [45, 46] cm, 17¼ [17¾, 18¼] in.

SKIRT

To fit hips 92 [97, 102, 107] cm, 36 [38, 40, 42] in.

Actual size 93 [101, 109, 117] cm, 36½ [39¾, 43, 46] in.

Length to waist 66.5 [67.5, 69, 70.5] cm, 26¼ [26½, 27¼, 27¾] in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

31 stitches and 42 rows to 10 cm, 4 in measured over stocking stitch (tension dial setting approximately 8). 31 stitches and 39 rows to 10 cm, 4 in measured over Fair Isle pattern on MT+1 (tension dial setting approximately 9).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used knit side of knitting as right side of garment. Punch cards, as shown, before starting to knit. Fill in pattern cards, as shown, before starting to knit.

Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

KNITMASTER ELECTRONIC MACHINES

Place needle 1 cam at centre 0. Press button 1 (left light on) and button 2 (left light on 580 machines or right light on other models).

BROTHER MACHINES

Place patterns at each side of centre 0.

FAIR ISLE PATTERN

K 2 rows C and 2 rows MC. Release card and cont in Fair Isle. Using MT+1, K 7 rows MC/C. Remove card. Cont in st st. Using MT, K 2 rows MC and 2 rows C. Insert card 2 and lock on first row. K 2 rows MC. Release card and cont in Fair Isle. Using MT+1, K 26 rows C/MC. Remove card. Insert card 1 and lock on first row. Cont in st st. Using MT, K 2 rows MC. Release card and cont in Fair Isle. Using MT+1, K 7 rows MC/C. Lock card on 6th row. Cont in st st. Using MT, K 2 rows MC and 2 rows C. Using MT+1, release card and cont in Fair Isle with C in feeder 1/A and MC in feeder 2/B.

[85, 97] Ns at right of centre 0 to WP. 74 [86, 98] Ns. Work as for back from * to *. Inc 1 st at left edge. 75 [87, 99] sts.

MACHINES WITHOUT RIBBER

Push 1 N at left and 73 [85, 97] Ns at right of centre 0 to WP. 74 [86, 98] Ns. Work as for back from * to *. Inc 1 st at left edge. 75 [87, 99] sts.

ALL MACHINES

** Insert card 1 and lock on first row. Set RC at 000. Using MT, cont in Fair Isle patt. K 132 [138, 144] rows. Work measures 41 [42.5, 44] cm, 16¼ [16¾, 17¼] in. K 1 row extra for left front only.

SHAPE ARMHOLE

Cast off 8 sts at beg of next row, 1 row.

1ST SIZE

Dec 1 st at armhole edge of next and every foll alt row until 56 sts rem, then on every foll 4th row until 54 sts rem.

2ND AND 3RD SIZES

Dec 1 st at armhole edge of every row until 70 sts rem, then on every foll alt row until [58, 62] sts rem.

ALL SIZES

K 8 rows.

SHAPE NECK

Cast off 11 sts at beg of next row, K 1 row. Cast off 4 sts at beg of next and foll alt row, K 1 row. Dec 1 st at neck edge of next 7 rows, then on every foll alt row until 22 [26, 30] sts rem, then on every foll 4th row until 19 [23, 27] sts rem. K 2 rows.

SHAPE SHOULDER

Cast off 5 [6, 7] sts at beg of next and foll 2 alt rows, K 1 row. Cast off rem 4 [5, 6] sts **.

LEFT FRONT

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1×1 rib. Push 73 [85, 97] Ns at left and 1 N at right of centre 0 to WP. 74 [86, 98] Ns. Work as for back from * to *. Inc 1 st at left edge. 75 [87, 99] sts.

MACHINES WITHOUT RIBBER

Push 73 [85, 97] Ns at left and 1 N at right of centre 0 to WP. 74 [86, 98] Ns. Work as for back from * to *. Inc 1 st at left edge. 75 [87, 99] sts.

ALL MACHINES

Work as for right front from ** to ** reversing shapings by noting alteration in number of rows worked.

SLEEVES

Push 45 Ns at left and 44 Ns at right of centre 0 to WP. 89 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Insert card 1 and lock on first row. Set RC at 000. Using MC, K 2 rows. Cont in Fair Isle patt and shape sides by inc 1 st at each end of next and every foll 10th [8th, 6th] row until there are 119 [127, 135] sts. K 1 [1, 17]



rows. RC shows 144 [148, 152] and work measures 36.5 [37.5, 38.5] cm, 14 1/4 [14 3/4, 15 1/4] in.

SHAPE TOP
Cast off 8 sts at beg of next 2 rows. Dec 1 st at each end of next and every foll alt row until 65 [73, 81] sts rem, then on every row until 47 sts rem. Cast off 4 sts at beg of next 4 rows. Cast off rem 31 sts.

CUFFS

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MC, cast on 66 sts in 1x1 rib. K 3 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 30 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER
Push 65 Ns to WP. Work as for back from * to *.

ALL MACHINES

With P side facing, replace sts from lower edge of sleeve on to Ns gathering evenly. Using MT+2, K 2 rows. Cast off.

NECK BORDER

Join shoulder seams. Push 98 Ns at left and 97 Ns at right of centre 0 to WP. 195 Ns. Insert card 1 and lock on first row. With P side facing, pick up sts around neck edge and place on to Ns. Set RC at 000. Using MT and MC, K 2 rows. Using MT+1, release card and cont in Fair Isle, with MC in feeder 1/A and C in feeder 2/B. K 7 rows. Cont in st st and MC. Using MT, K 2 rows. Using WY, K a few rows and release from machine.

NECKBAND

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for

1x1 rib. Using MC, cast on 156 sts in 1x1 rib. K 3 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 24 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER

Push 155 Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-1 and MC, K 6 rows. Using MT-2, K 13 rows. Using MT-1, K 6 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed.

ALL MACHINES

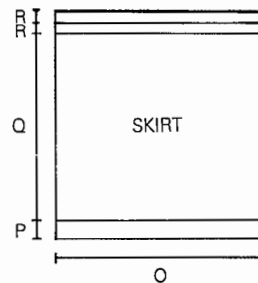
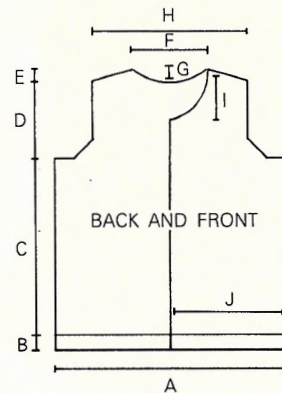
With P side facing, pick up sts from last row of neck border and place on to Ns, decreasing evenly. Using MT+2, K 2 rows. Cast off.

BUTTONHOLE BAND

MACHINES WITH RIBBER

Fold neckband in half to inside and catch down. With ribber in position and carriage at right, set machine for 1x1 rib. Using MC, cast on 152 [158, 162] sts in 1x1 rib. K 3 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 6 rows. Counting from left edge, make buttonholes over 4th, 5th, 6th; 13th, 14th, 15th; 22nd, 23rd, 24th and every foll 23rd, 24th, 25th [24th, 25th, 26th; 25th, 26th, 27th] sts. K 6 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER
Push 152 [158, 162] Ns to WP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-1 and MC, K 5 rows. Counting from left edge, make buttonholes over 4th, 5th, 6th, 13th, 14th, 15th, 22nd, 23rd, 24th and every foll 23rd, 24th, 25th [24th, 25th, 26th; 25th, 26th, 27th] sts. K 11 rows.



A	= 47 [55, 62.5] cm
B	= 7.5 cm
C	= 33.5 [35, 36.5] cm
D	= 20 [21, 22] cm
E	= 1.5 cm
F	= 21.5 cm
G	= 4 cm
H	= 33.5 [36, 39] cm
I	= 11.5 cm
J	= 24 [28, 31.75] cm
K	= 28.5 cm
L	= 36.5 [37.5, 38.5] cm
M	= 13 [14, 15] cm
N	= 38 [40.5, 43.5] cm
O	= 47 [51, 55, 59] cm
P	= 5 cm
Q	= 61.5 [62.5, 64, 65.5] cm
R	= 2.5 cm

Make buttonholes over same sts as before. K 5 rows. Make a hem by placing loops of first row worked in MC on to corresponding Ns. Unravel WY when work is completed.

ALL MACHINES

With P side facing, pick up sts along right front edge and place on to Ns. Using MT+2, K 2 rows. Cast off.

BUTTON BAND

Work as for buttonhole band omitting buttonholes and reading left front for right front.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on ball band.

MAKING UP

Join side and sleeve seams. Set in sleeves. Finish buttonholes and sew on buttons.

MACHINES WITHOUT RIBBER
Neaten ends of bands.

SKIRT BACK AND FRONT ALIKE

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Push 73 [79, 85, 91] Ns at left and right of centre 0 to WP. 146 [158, 170, 182] Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1x1 rib. Using MC, cast on and K 3 tubular rows. Carriage is at right. Set

carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 20 rows. Transfer sts for st st. Inc 1 st at left edge. 147 [159, 171, 183] sts.

MACHINES WITHOUT RIBBER

Push 73 [79, 85, 91] Ns at left and right of centre 0 to WP. 146 [158, 170, 182] Ns. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-2 and MC, K 41 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed. Inc 1 st at left edge. 147 [159, 171, 183] sts.

ALL MACHINES

Insert card 1 and lock on first row. Set RC at 000. Using MT, cont in Fair Isle patt. K 15 rows. Cont in MC, K 245 [249, 255, 261] rows. RC shows 260 [264, 270, 276] and work measures 66.5 [67.5, 69, 70.5] cm, 26 1/4 [26 1/2, 27 1/4, 27 3/4] in. Using MT+2, K 1 row. Using MT-1, K 10 rows. Using MT+2, K 1 row. Using MT-1, K 10 rows. Make a hem by placing loops from first loose row on to corresponding Ns. Using MT+2, K 2 rows. Cast off.

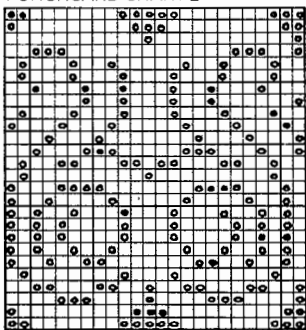
PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on ball band.

MAKING UP

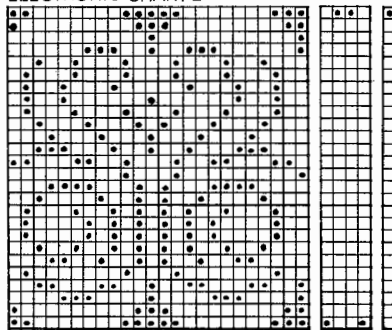
Join side seams, leaving an opening in waistband for elastic. Insert elastic through waistband and join ends. Close opening.

PUNCHCARD CHART 2

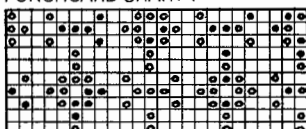


Rep these 26 rows along card starting and ending with 2 rows of holes, as usual.

ELECTRONIC CHART 2

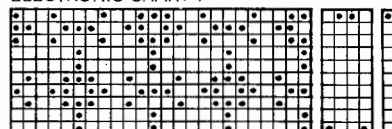


PUNCHCARD CHART 1



Rep these 10 rows along card starting and ending with 2 rows of holes, as usual.

ELECTRONIC CHART 1



HELP LINE

Our problem page – not, we hope, an agony column but the place where you can ask the help of other readers who may have the answer to your problem. Please write in if you can help with this month's requests or let us have your own for a future issue. We shall pass the answers on.

Dear Anne

I would be very happy if you could find space for this letter because I am afraid that some readers of the April Issue might be somewhat confused when they read the programme for the sampler I designed for E 6000 owners (page 25). The information was originally presented in the form of a table, to make it easy to follow. For reasons of space the Printer omitted my gaps and I felt some readers might find it difficult to keep to the correct place in the text.

So, if anyone would like an easier to follow copy of this exercise, all they have to do is to send me a self addressed, stamped envelope (or International Reply Coupons, obtainable at their Post Office if writing from overseas) and write 'E 6000 reprint' on the inside flap, and I will post it to them at once.
Yours sincerely
Dorothy Gill

Our apologies, Dorothy, if we have confused the readers by not setting out your programme as you had intended. I am sure that anyone who is in doubt will take you up on your kind offer of a copy of your original.

Dear Anne

I was disappointed to read Anne Taylor's article in the May Issue of MKM in which she said that she had not found any industrial yarns with a wool content. Christiana Wools have been regular advertisers with MKM (see classifieds) and, it can be seen from our ad that we carry a range of industrial weight yarns, most of which contain a percentage of wool. Although we aim our yarns at the Duomatic market, it is easy to make them up to a 4 ply thickness for other knitters. We provide a winding service, so that single bed knitters do not have the tedious task of winding by hand.

Christiana Wools must supply one of the largest ranges of repeatable fine yarns in the country, so I feel that the article has not done us justice. Perhaps Ann would like to try our yarns, and see how good they are. Soon we will be publishing our own

pattern book with Pat Cook, who uses our yarns exclusively now.

Yours sincerely
Mrs C L Holloway
Christiana Wools

We do hope Mrs Holloway that you will accept the 'omission' of your yarn range as an oversight rather than an injustice on our part. However, we are confident that our readers (who are avid scanners of the Classifieds) will already have become regular customers of Christiana Wools, and discovered for themselves the versatility of your yarn range. We look forward to your new pattern book of Pat Cook designs.

To obtain the latest yarn catalogue from Christiana Wools, send 90p in stamps to:
CHRISTIANA WOOLS, Whitton View, Leintwardine, Craven Arms, Shropshire SY7 0LS.

Dear Anne

I am writing in response to the plea for patterns in larger sizes, (April Issue – "Tinkering with a Toyota"). I have a His 'n' Hers round neck sweater pattern in a Fair Isle design which I knitted up in Shamal. The finished measurement is 54½ inches but, if a thicker 4 ply is used with a looser stitch tension, the garment knits up to at least 56 inches plus.

Larger ladies might be interested in a pattern I have for a sideways knitted summer top – the largest size fits a 48 inch bust. It incorporates a small amount of lace which could be omitted if necessary, and mock ribs would be equally suitable in place of the ribbing instruction in the pattern.

On a different point – some Passap knitters might like a copy of a slipover pattern in full Fisherman's or half Fisherman's Rib. I find it an ideal garment for both summer and winter wear. There are instructions for two size ranges – 32 to 36 inches and 38 to 42 inches, and the yarn is 2/24 Acrylic using three strands together. I must admit that my Passap machine has added "new dimensions" to my knitting!

Yours sincerely
Mrs J Smith
Peterborough

Thank you Mrs Smith – I am sure

you will find other readers responding to your offer. Anyone who would like a copy of these patterns should send a S.A.E. to us at MKM please and we will forward them to Mrs Smith.

Of course, sideways knitted garments can always provide that extra measurement required for larger sizing. It is also true to say that a fabric knitted in any type of rib – particularly Fisherman's Rib – will be an excellent choice for a larger garment due to the use of the two needlebeds and "tucked" stitch structure which automatically spreads the fabric widthways. Both types of rib mentioned can be knitted on any machine with a ribber attachment and instructions are provided in the ribber manual. On a Passap or Pfaff machine it is very easy to produce fabrics in these ribs with the added advantage of not having to worry about moving weights and dropping stitches!

Dear Anne

As a disabled person, it was suggested that I take up a hobby which would be interesting and useful. A knitting machine was passed on to me which, I am told, although old, is complete and in working order. The problem is, I have never used a machine and, as there is no instruction manual, I am at a loss as to how to even begin.

I've tried everywhere in Leeds but can get no help. The machine is a Singer Memo-Matic ICS 2400. I wonder if you know where I might obtain a copy of the instruction book? Or perhaps one of your readers might be able to help? I thank you in anticipation.
Yours sincerely
A M Taylor
Leeds

Dear Anne

Could any of your readers help me to find an instruction book for a Singer KE 2500. A photocopy would do and I will gladly pay. I purchased the machine at a car boot sale for just £8 – but, of course, there are no instructions. The machine seems to be in reasonable condition but will not select the second yarn for Fair Isle. Perhaps if I had the instructions, I could see why!
Yours sincerely
Audrey Whittington
Blaina, Gwent

If anyone can help with these two queries please drop us a line and we'll pass the information on.

Dear Anne

Please can anyone help? I have a gorgeous, big cuddly husband, size 48-50 inch chest, and I have tried everywhere in vain to buy a pattern for a turtle neck 2 ply sweater. I've had no luck at all and wondered, with all the super information you produce in the magazine, if you could possibly tell me where I can obtain a pattern.

Also, concerning industrial

yarns, what combination of threads would make up the equivalent of 2 ply? Is it 2 or 3 strands together? Please help as I tried from everybody else and my other half only likes fine jumpers!
Yours sincerely
Netta Dunlop
Reading

Can anyone help with a 2 ply pattern? Generally speaking, 2 strands of industrial yarn are used together to produce a 2 ply thickness for machine knitting (usually where the yarn count is around 2/30). However, as the count of industrial yarns vary considerably, it may be necessary to adapt the number of strands according to the thickness of the individual yarn in question. A simple guideline to follow – the lower the last two figures in the count the thicker the strand. So a yarn with a count of 2/14 will be thicker than that with a count of 2/38. The former could possibly be used single stranded whilst the latter might require three strands together. Whatever the combination, it is advisable to sample up in order to obtain a suitable fabric.

Dear Anne

A little while ago you and your generous readers very kindly enabled Stuart House, the activity centre for the physically disabled in Minchinhampton, Gloucestershire, to establish a machine knitting group.

Two Knitmaster 250 machines are among those regularly used. We have the standard needle selection carriages, but had already heard about the punchcard gadget which was introduced for this machine, before it was mentioned by Ann Taylor in your April Issue. I tried Knitcraft, but they had just sold their last one, and no prospects of obtaining further supplies.

I feel that one of these gadgets would be beneficial to our arthritic ladies and wondered if, perhaps, as Ann Taylor suggests, someone may have one tucked away in an attic or under a bed and would be prepared to sell it to us. We now have a little money set aside to spend on yarn and accessories.

Once again, thank you to the kind folks who helped us in the past.

Yours sincerely
Irene Hooker
Minchinhampton, Stroud

If anyone can help Irene please drop me a line and I'll put you in touch.

 Denys Brunton Designer Yarns
Fashion straight from the cone

BACK

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Push 81 [89, 97] Ns at left and right of centre 0 to WP. 162 [178, 194] Ns. * Push corresponding Ns on ribber to WP. Arrange Ns for 1x1 rib. Using MC, cast on and K 3 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 38 rows. Transfer sts for st st *

MACHINES WITHOUT RIBBER
Push 81 [88, 97] Ns at left and 80 [88, 97] Ns at right of centre 0 to WP. 161 [176, 194] Ns. * Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-3 and MC, K 63 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed *

1ST SIZE

Inc 1 st at right edge.

2ND SIZE

Inc 1 st at each end.

ALL SIZES

162 [178, 194] sts.

ALL MACHINES

Insert card and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle patt with MC in feeder 1/A and C in feeder 2/B. Set RC at 000. Using MT, K 130 rows. Work measures 44 cm, 17 1/4 in.

SHAPE ARMHOLES

Cast off 6 sts at beg of next 2 rows, 4 sts at beg of next 2 rows and 2 sts at beg of foll 4 [6, 8] rows. Dec 1 st at each end of next and every foll alt row until 124 [136, 148] sts rem. K 63 [69, 73] rows. RC shows 210 [218, 224] and work measures 67 [69, 71] cm, 26 1/2 [27 1/4, 28] in.

SHAPE SHOULDERS

Cast off 8 [10, 11] sts at beg of next 6 rows and 10 [10, 13] sts at beg of foll 2 rows. Using WY, K a few rows in st st over rem 56 sts and release from machine.

RIGHT FRONT

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Push 3 Ns at left and 81 [89, 97] Ns at right of centre 0 to WP. 84 [92, 100] Ns. Work as for back from * to *.

MACHINES WITHOUT RIBBER
Push 3 Ns at left and 80 [89, 98] Ns at right of centre 0 to WP. 83 [92, 101] Ns. Work as for back from * to *.

1ST SIZE

Inc 1 st at right edge.

3RD SIZE

Dec 1 st at right edge.

ALL SIZES

84 [92, 100] sts.

ALL MACHINES

** Insert card and lock on first

6 FAIR ISLE CARDIGAN

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines with or without a ribber.

MATERIALS

Denys Brunton De-Lux 4-ply.
1 [1, 1] x 400g cone in Mink (MC).
1 [1, 1] x 400g cone in Cream (C).
7 buttons.

GARMENT WEIGHT

Finished garment in first size weighs 410g.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to Denys Brunton Designer Yarns, Moorland Mills, Law Street, Bradford Road, Cleckheaton, West Yorkshire BD19 3QR.

YARN THICKNESS

This yarn is medium weight and knits as four ply

MEASUREMENTS

To fit bust 82-87 [92-97, 102-107] cm, 32-34 [36-38, 40-42] in.
Actual size 105 [115, 126] cm, 41 1/2 [45 1/4, 49 3/4] in.
Length to shoulder 67 [69, 71] cm, 26 1/2 [27 1/4, 28] in.
Sleeve seam 44 cm, 17 1/4 in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

31 stitches and 35 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial setting approximately 8).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used knit side of knitting as right side of garment. Punch card, as shown, before starting to knit. Fill in pattern card, as shown, before starting to knit. We used Brother card 401 from punchcard pattern Vol. 4 for this pattern and reproduce it courtesy of Jones+Brother. For further information about Brother cards and machines, please write to Jones+Brother, Shepley Street, Guide Bridge, Audenshaw, Manchester M34 5JD.

KNITMASTER ELECTRONIC MACHINES

Place needle 1 cam at centre 0. Press button 1 (left light on) and button 2 (left light on 580 machines, right light on other models).

BROTHER ELECTRONIC MACHINES

Place patterns at each side of centre 0.

row. Take carriage across twice without knitting. Release card and cont in Fair Isle patt with MC in feeder 1/A and C in feeder 2/B. Set RC at 000. Using MT, K 130 rows. Work measures 44 cm, 17 1/4 in. K 1 row extra for left front only.

SHAPE ARMHOLE

Cast off 6 sts at beg of next row, K 1 row. Cast off 4 sts at beg of next row, K 1 row. Cast off 2 sts at beg of next and every foll alt row until 70 [76, 82] sts rem, K 1 row. Dec 1 st at beg of next and every foll alt row until 65 [71, 77] sts rem. K 46 [52, 56] rows. 17 rows less have been worked to shoulder than on back.

SHAPE NECK

Cast off 9 sts at beg of next row, K 1 row. Cast off 6 sts at beg of next row, K 1 row. Cast off 4 sts at beg of next and foll 2 alt rows, K 1 row. Dec 1 st at beg of next and every foll alt row until 34 [40, 46] sts rem.

SHAPE SHOULDER

Cast off 8 [10, 11] sts at beg of next and foll 2 alt rows, K 1 row. Cast off rem 10 [10, 13] sts **.

LEFT FRONT

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for

1x1 rib. Push 81 [89, 97] Ns at left and 3 Ns at right of centre 0 to WP. 84 [92, 100] Ns. Work as for back from * to *.

MACHINES WITHOUT RIBBER

Push 80 [89, 98] Ns at left and 3 Ns at right of centre 0 to WP. 83 [92, 101] Ns. Work as for back from * to *.

1ST SIZE

Inc 1 st at left edge.

3RD SIZE

Dec 1 st at left edge.

ALL SIZES

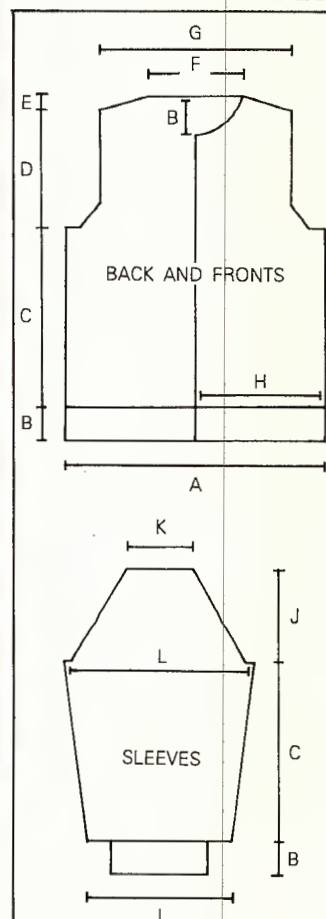
84 [92, 100] sts.

ALL MACHINES

Work as for right front from ** to **, reversing shapings by noting alteration in number of rows worked.

SLEEVES

Push 47 [50, 53] Ns at left and right of centre 0 to WP. 94 [100, 106] Ns. Insert card and lock on first row. Using MT and WY, cast on and K a few rows ending with carriage at right. Release card and cont in Fair Isle patt with MC in feeder 1/A and C in feeder 2/B.



A = 52 [57, 62.5] cm
B = 7 cm
C = 37 cm
D = 23 [25, 27] cm
E = 2 cm
F = 18 cm
G = 40 [43.5, 47.5] cm
H = 27 [29.5, 32.25] cm
I = 30 [32, 34] cm
J = 20 [22, 24] cm
K = 14 cm
L = 42 [44, 46] cm



LATCH ON

TUCK RIB

Last month I gave some examples of this somewhat neglected stitch. Since then I have been doing a little more experimenting.

Joan Lafferty

For my samples I have used Ivette, which is a three ply yarn. Four ply or more is not really suitable for knitting tuck rib,

unless you wish to make a thick garment like a jacket. Even then it can be very hard to get the carriage across.

I used Knitmaster card ten for the first two samples. This is demonstrated in the ribber instruction book. For the first sample (1) I used full needle rib (every needle working on both beds) and the half pitch lever on 'H'. I started by doing a few rows of plain rib, tension three on each bed. (Brother users – it is essential to put the slide lever on I.) Knitters with other machines will find they need to have a larger tension on the ribber. The tuck rib is knitted on tension four/four. I then thought about casting off. My normal practice is to take off on waste yarn and cast off using hand knitting needles. I know this fills some dedicated machine knitters with horror, so to please them I knitted the last row on the largest tension on both beds, transferred ribber stitches to the main bed and cast off with the latch tool, pulling two stitches

through each time. I hope the photograph will show that this has pulled the work in. One might possibly get away with this for a back neck, but it certainly would not do for the top of sleeves. So it is back to hand cast off for me in future!

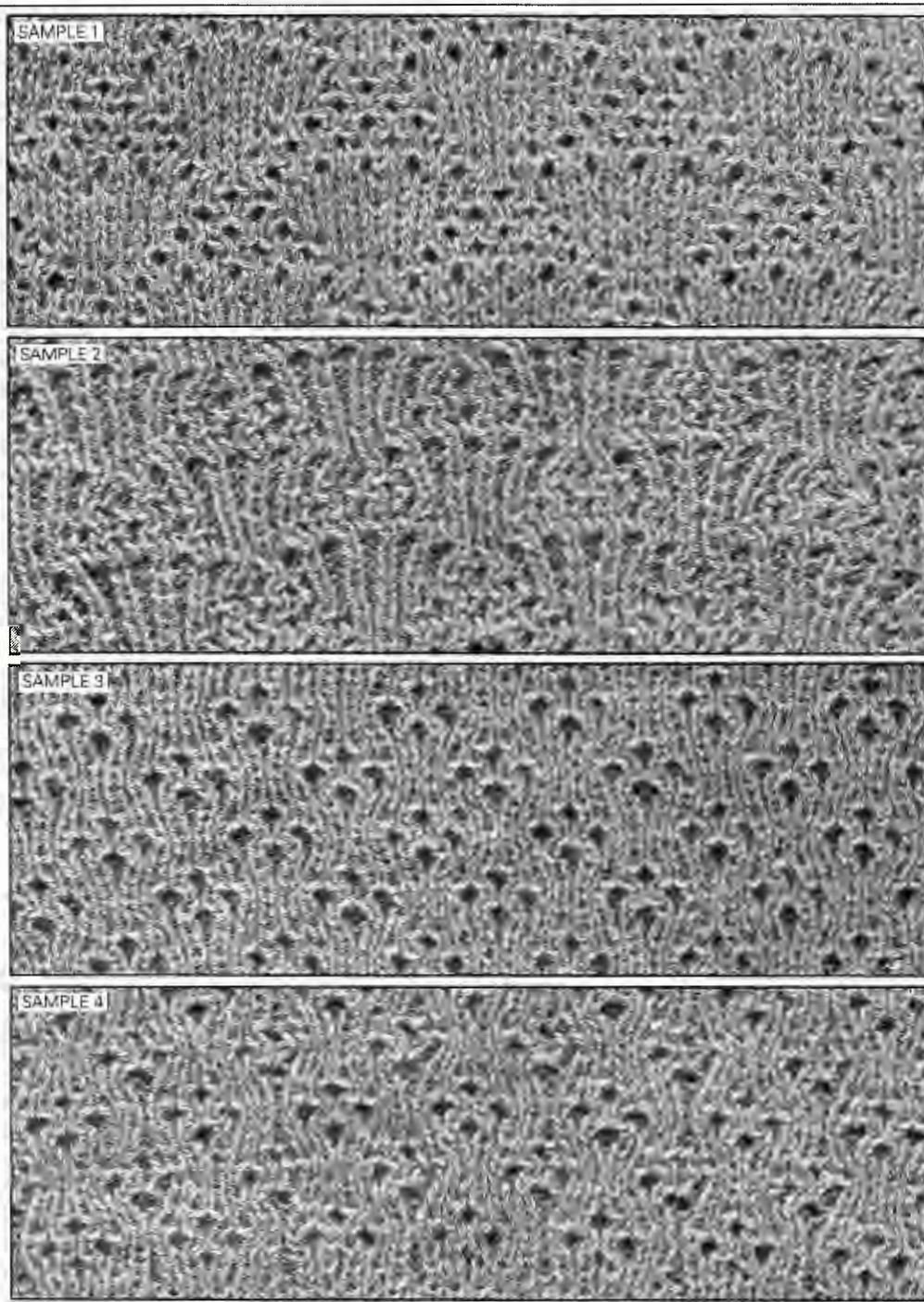
My second sample (2) was knitted using all needles on the main bed, but every other one on the ribber. You will see that the pattern is still visible as triangles, but quite unlike the first one. The rib in this case was knitted as one plain, one purl, on tension two/two. It looks very sloppy – I should certainly have tightened the tension and on the Brother machine this would have been achieved by putting the slide lever on II. The main knitting was done on tension three/three. This is just about acceptable, although a little loose, but it does curl at the edges. This would not matter on a garment since sewing the seams would correct the curl, but it might not be suitable for something like a shawl which needs flat edges. I have cast off by hand on this sample.

Next I went to "Stitch World" which is the stitch pattern book issued with the Brother Electronic 950 and 950i. I very much regret that this book does not even mention tuck rib, let alone give any examples. Presumably this is because Stitch World is meant to be used in conjunction with the main bed only. The ribber instruction book with the Brother 830 ribber gives six examples of tuck rib, but the book with the 850 ribber gives just one example only and it does not say which card is used. I recently sent to Toyota and asked for information on their machines to assist me in my teaching. They very kindly sent me lots of literature, including a book for the 506 ribber. This gives a couple of examples for the 901 and 950 machines and also for their earlier machines, the 858 and the 777. However, any card that can be used for tuck on the single bed can also be used in conjunction with the ribber. I won't guarantee what the finished result will be!

Back to Stitch World. I chose pattern number 300. In the picture this is tuck stitch knitted in two colours, which looks like wavy lines. It is obvious from sample 3 that it is a tiny pattern of a cross, in fact the picture in the back of the book (which shows graphs of the stitches) looks completely different. What appears as little 'holes' on my sample are two stitches deep.

The fourth sample (4) used the same stitch, but I removed the third stitch to the right of 'O' on the ribber, then every fifth one on either side. When I say 'removed' I should explain I put it on to the main bed, not dropped it!

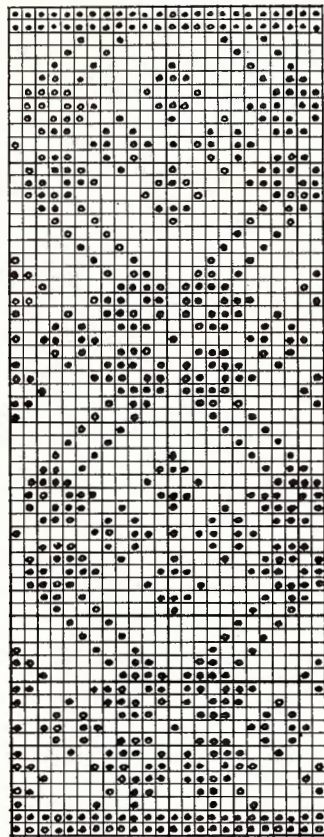
Having knitted samples 1 and 2 quite easily, I had trouble with the third one. The stitches were catching badly on the gate pegs. Then it dawned on me that I



should be using the close knit bar. I wonder why I got away with it before? Anyway it is good sense (which I appear to lack!) to put this bar in place when using fine yarns and knitting with the ribber. My excuse is that I was concentrating on what I was going to write rather than what I was knitting, which is no excuse at all!

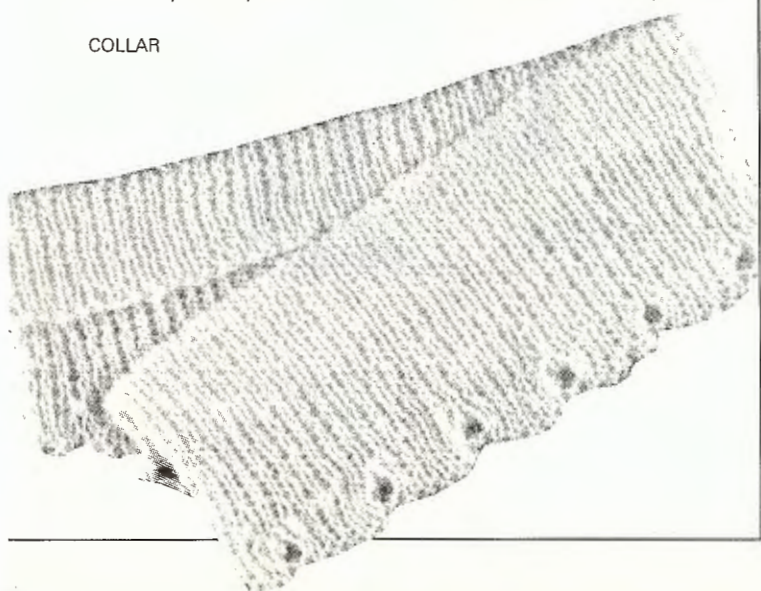
Finally I want to show you a very nice collar. It can hardly be called punch tuck rib, because there is no need to use a punchcard. I "guesstimate" the number of stitches for a neckband or a collar by folding the garment in half (very carefully), putting the centre fold to the middle '0'. Then, without stretching or 'shrinking' the work, I see how far it goes along the needle bed. I then cast on this number of stitches (both sides of '0' of course!). Before you cast on for the collar you may need to do a little adjusting. The scalloped edging is worked by setting the main bed to 'hold' and pushing certain needles to holding position. So before putting any work on the needles, start from the centre and push every fifth needle to hold if you want smallish scallops, every eighth if you want them larger—or anything that suits you in between. You must, of course, have the two ends of the work the same, which is why one experiments before starting to knit. It may be necessary to add or subtract one or two needles to get the sequence correct, or if it is badly 'out' to select needles with a different spacing. Having settled this little matter, cast on and knit two circular rows. Then set for hold, push out the necessary needles and knit five rows. Cancel 'hold' and knit another five rows. I worked on tension four/four for these ten rows, then reduced by two dots on each bed and knitted 20 more rows (three plus one dot on each bed). Then I went down to one plus one dot on each bed, knitted six rows and took it off on waste yarn. (A tip here which you may, or may not know. When taking ribber work off on waste yarn, tie the end of the contrast on to the main yarn. It is then much easier to pull the yarn down

PUNCHCARD

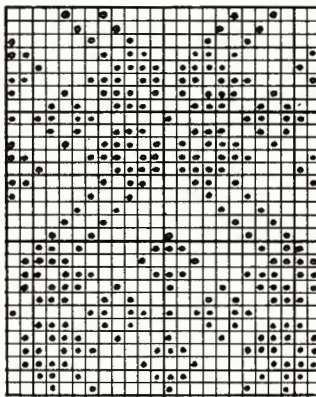


between two beds with the work hook, until the waste yarn is in the feeder.) The tight rows at the end make the work turn over so that the collar sits neatly when worn. Not having a garment to measure, I pushed out 40 needles either side of '0' and arranged every sixth needle to hold. This left me with three needles outside the 'hold' one on the left, but four on the right. So I just removed one needle from each bed. This would not make a vast amount of difference to the final collar. When it came off the machine the bottom edge was very straight, so it needed a little tug on each scallop to show up the pretty edging. I doubt if you will be able to see from the picture the way the collar folds underneath. You will have to take my word for it, or better still, knit one for yourself!

COLLAR



ELECTRONIC



Set RC at 000. Using MT, shape sides by inc 1 st at each end of next and every foll 7th row until there are 132 [138, 144] sts. K 3 rows. RC shows 130 and work measures 37 cm, 14½ in.

SHAPE TOP

Cast off 3 sts at beg of next 8 rows and 2 sts at beg of foll 12 rows. K 1 row. Dec 1 st at each end of next and every foll alt row until 64 [68, 68] sts rem, then on every foll 3rd row until 44 sts rem. Cast off.

CUFFS

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1×1 rib. Using MC, cast on 70 [74, 78] sts in 1×1 rib. K 3 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 38 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER Push 71 [74, 77] Ns to WP. Work as for back from * to *.

ALL MACHINES

With P side facing, replace 94 [100, 106] sts from lower edge of sleeve on to Ns gathering evenly. Using MT, K 1 row. Cast off loosely.

NECKBAND

Join shoulder seams.

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1×1 rib. Using MC, cast on 134 sts in 1×1 rib. K 3 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 19 rows.

Transfer sts for st st. With P side facing, pick up 39 sts up left front neck edge, 56 sts across back neck and 39 sts down right front neck edge and place on to Ns. Using MT, K 1 row. Cast off.

MACHINES WITHOUT RIBBER

Push 134 Ns to WP. With K side facing, pick up 39 sts up right front neck edge, 56 sts across back neck and 39 sts down left front neck edge and place on to Ns. Unravel WY. Set RC at 000. Using MT and MC, K 1 row. Transfer every 3rd st on to adjacent N and push empty Ns to NWP. Using MT-1, K 7 rows. Using MT-2, K 15 rows. Using MT-1, K 7 rows. Push Ns from NWP to WP and place loop from row below adjacent st on to empty Ns. Using MT, K 2 rows. Using WY, K a few rows and release from machine.

BUTTONHOLE BAND

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1×1 rib. Using MC, cast on 17 sts in 1×1 rib. K 3 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 7 [6, 7] rows. * Make a buttonhole over centre 3 sts. K 44 [46, 47] rows; rep from * 5 times more. Make another buttonhole over same sts as before. K 7 [5, 7] rows. RC shows 278 [287, 296]. Transfer sts to main bed. Cast off.

MACHINES WITHOUT RIBBER

Using MC, cast on 17 sts by hand. Set RC at 000. Using MT-2, K 6 [7, 5] rows. * Counting from both edges, make buttonholes over sts 4, 5 and 6. K 40 [41, 43] rows; rep from * 5 times more. Make buttonholes over same sts as before. K 6 [7, 5] rows. RC shows 252 [260, 268]. Cast off.

BUTTON BAND

Work as for buttonhole band omitting buttonholes.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join side and sleeve seams. Set in sleeves making 2 pleats at top of sleeve.

MACHINES WITH RIBBER

Sew bands into position with buttonholes on right front.

MACHINES WITHOUT RIBBER

Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MC. Fold bands in half lengthways and sew into position with buttonholes on right front. Neaten open ends.

ALL MACHINES

Finish buttonholes. Sew on buttons.

KNITMASTER CORNER

A few letters and comments again and hopefully a few answers to your problems. Let us start with a really helpful letter.

Ann Taylor

I just had to write about double knitting on the standard gauge machine.

I started knitting by machine in 1974 I think and double knitting was very popular. Modern Knitting magazine gave several useful patterns using alternate needles and double knit. I bought a job lot of yarn at twopence an ounce and made many successful garments at tension six or tension seven on alternate needles. I even have one of them still, looking as good as new despite being worn regularly until it went out of fashion.

That was "B.C." (before Chunkies)! It was even before many ribbers. The sleeves and bodies had inner hems in finer yarn. They had wide sleeves and the bodies were hip length.

The process is exactly the same as for a 'normal' garment, making a tension swatch, but when the work comes off the machine you draw it out lengthwise. It is advisable to knit a piece in one go and not to leave it on the machine overnight, as that gives the yarn time to set more stretched than it should be, though washing and hanging up to drip will often sort that out.

If more than 100 stitches are required then an alternative is to use release stitch, knitting the garment on too many needles but letting stitches drop and run down every few rows or at the end of the knitting. Marking the stitches you intend to drop is a good idea.

In 'hairy' yarn the ladders may stay visible but can be quite useful as a little pattern of perhaps five stitches, then two stitches to be dropped alternately.

With a ribber, release stitch coupled with racking is a source of simple and quite effective patterning, both on every needle for chunky gauge and on alternate needles for standard gauge in double knit.

In the "old days" the recommended tension for Fair Isle on my Knitmaster 321 was main tension plus two in four ply. Having tons of yarn, I often use a different colour and ply yarn for ribs. For example; four ply for ribs and then two or

three ply for patterning; grey ribs, with a black and white pattern; Mid brown with dark browns and cream and so on. I very rarely have an end-of-cone of anything, as I use a notebook and kitchen scales to record how much a particular garment required of each colour. I always allow one ounce or 30 grammes for the cone.

That takes care of floppy ribs and thick patterns quite well.

Being an old fashioned knitter I still use wax rather than a spray and I think many knitters may find some problem yarns would knit much more easily if waxed, as the process physically flattens down the fibres. I wax all yarn I rewind from hand knit for the chunky and I have a piece of wax attached to the standard gauge mast and all the yarns run over it. This is particularly effective for Mohair as it changes unknitable into usable yarn.

There are patterns for alternate needle use, or any twelve stitch punchcard doubled up across the rows. Yours sincerely, Ann Crouch (Mrs.)

What a super letter and so very helpful, thank you for sharing your experience.

I too have old Modern Knitting magazines, going back to the 1950s and was surprised to find an article on Cut and Sew in one. Occasionally I come upon something that I have not seen mentioned for ages and find browsing through old magazines very helpful for teaching – although I do not then get much knitting done!

I toyed with the idea of getting a word processor and putting the lot on disc, but when would I have the time? Forgetting of course that I spend two to three hours browsing, but that can be counted as relaxation. Well, that is my story!

I agree with you about the wax for difficult yarns – new knitters are spray orientated, but often the old wax works very well. I found that I could buy a large slab of wax at Boots and it has lasted me for years. A candle is also very useful for running yarn over when winding and some knitters used to remove the wicks from a night

light and thread the yarn through that before re-winding.



I was especially interested in the article about the YC5 colour changer. I have one on my 326 with the SRP20 ribber.

I found the ribber stop prevented a clean change over of yarns except for the first feeder.

I have read somewhere to saw off the ribber stop, but did not feel that I wished to undertake such drastic surgery on my good friend.

A simpler answer was to rack to 10 before casting on; provided that the intended pattern does not need further racking this is quite satisfactory and may help others who have the older ribber.

I hope you will continue with Knitmaster Corner. I have been with you from the first issue and have often felt that Knitmaster was rather neglected.

Yours sincerely, Dorothy Rooke.

Thank you for writing. I too have read about sawing off the ribber stop and would like to say here and now – please leave well alone

and that your suggestion is a far better one. I believe I am right in saying that with anything mechanical, once it is tampered with, very often another fault appears.

Admittedly I have never heard anything about a disaster and a sawn off ribber stop, but why do it? Especially when you (and others) have come up with a much better idea.

I am amazed sometimes at what people will subject their machines to – using equipment for another make of machine on theirs for one thing, modifying equipment in order to do this. Then, even more hair raising, selling the piece of equipment to a knitter who has a machine the equipment was originally made for! They in turn complain because it does not work – and blame the manufacturer. It goes on ad infinitum.

My advice will always be – you have a marvellous piece of equipment in the knitting machine; look after it well and you will never regret it.

If you cannot afford all the various accessories, so what? Many a designer producing top line quality knitwear has just the main bed machine, the yarn and the patience to produce a good garment with nothing in the way of accessories. Take heart!



I have owned my Knitmaster 700 for just over a year and must admit, I have spent many a happy hour on it. Until now my successes were round neck jumpers for my elder two boys. Having gained this experience, I decided to branch out further but have found two problems which now are really annoying me.

The first and biggest bugbear concerns circular knitting. I needed it for the neck of a jog suit and had difficulty in understanding the pattern, let alone doing it!

I tried perusing my manual but still managed to jam the carriage halfway across – the instructions are at the end of this letter.

My other problem is with an all-over Fair Isle design. I cannot get the machine to pick the design up again on the second neck shaping. This is really annoying me as I have done it successfully before so I know I can do it, but cannot get it right now. You would not believe the amount of work I have wasted and have had to resort to Swiss darning over the row that I miss out.

I hope these are common problems, as two of my friends with machines have not been able to help me.

Pattern: With RB in position, set machine for 1 x 1 rib. Push 95 needles on MB and corresponding needles on ribber to WP, arrange needles for 1 x 1 rib. Using C, cast on and knit three tubular rows. RC000. Using main tension minus five, knit two rows.

Set MB and RB carriage for circular knitting. Push empty needles on both beds to WP and fill empty needles with opposite stitch heel.

Using main tension minus one, knit four rows, that is two on each bed.

Set main bed to slip both ways and ribber to knit. Work on ribber bed only. Drop ribber bed. Set carriage for stocking stitch and using main tension minus four, knit one row. Cast off.

Yours sincerely,
Margaret Rimmer (Mrs)

Poor you! The circular knitting bugbear certainly came home to roost.

When starting from scratch in circular knitting the tension is increased by one whole number every circular row – that is two rows recorded on the row counter which equals one circular row.

Going straight to a higher

tension causes the carriage to jam – as you found out.

Putting the empty needles to work position on both beds and putting the heel of the stitch on to them is much the same technique as increasing fully fashioned on a raglan. The heel of the stitch is the bar across the stitch just under the needle hook. Pick up the bar and transfer it to an empty needle. This prevents lacey holes.

Putting the main bed out of action and working only on the ribber means – bring the side levers forward on the main bed carriage and put the cam lever to slip.

This enables one to knit a cuff on the ribber, then, putting the ribber out of action and re-setting the main bed for stocking stitch, one can knit a similar cuff on the main bed, which leaves both ends open – this is then backstitched on to the garment as one would with a cut and sew neckline.

Now for the pattern at the neck – always a source of heartache for many a new knitter.

At the point of division for the neck:

1. Mark the card at that row, or note the number of the row of the card and note the row counter number.
2. Knit back to A position the stitches for the second half of the neck, on to the nylon cord.
3. Complete the first side of the neck.
4. Return the card to the marked or noted row, and lock the card.
5. Move the carriage across the work making sure that you pass the *pattern panel* completely.
6. Re-set the row counter to the noted number.
7. Rethread the carriage with the yarn or yarns.
8. Release the punchcard.
9. Bring the needles on the nylon cord back to work position (B position) gently removing the nylon cord.
10. Now continue knitting ensuring that the carriage passes the pattern panel on each row. If you do not do this the memory drums will not pick up the next row of the pattern and will throw the sequence out.



I read your articles in Machine Knitting Monthly with much interest. I do have a problem, why oh why are there no Radar charts for larger people? I love my Radar but half the family are

46 inch and over, so I do not use it as much as I would like. The thought of drafting a chart frightens me to death. I do have a lot of ideas of what I want to do, using basic charts, if only they would fit us!

I am more than happy with my Knitmaster 360KL apart from not using the Radar enough.

I do hope somewhere, someone will think about marking larger charts for people of more ample proportions.

Yours sincerely,
Pauline Simper.

What a plea from the heart. I do sympathise and have had many letters and 'phone calls about this business of larger sizes.

It does mean drawing them out and for very large sizes reducing the pattern down to quarter size instead of half.

Have you ever tried adding to your basic set by measuring out from the largest size given and following their lines?

The Marion Nelson cards go up to 46 inches and there are good

instructions on writing one's own pattern in the basic pack. I found this quite simple to do and my maths are awful! With my trusty calculator I manage it.

Again, as all the measurements are given on the card one can easily draw out half size from them as you can make the half measurement mark on the blank card in pencil first.

There is also a triangular ruler from Knitmaster that has the measurements in half scale which makes life a lot easier. So many people buy a knitting machine to accommodate the larger sizes, surely someone out there could produce some shapes from the Radar in 40 inches plus. A lot of people like you are scared of trying it out.

That is all for this month – keep the letters coming – then we shall all benefit.



Summer MADNESS SALE

Knitmaster Zippy De Luxe P/card	£7	Brother 260 Ribber	£7
Knitmaster 700K	£7	Brother Electronic 950 I	£7
Knitmaster 700KL	£7	Brother 395 convertible KX	£7
Knitmaster SRP60 Ribber	£7	Toyota Colour Changer	£7
Knitmaster 155 Chunky P/card	£7	Brother PPD 110	£7
Knitmaster 155 Chunky Ribber	£7	Brother 940	£7
Knitmaster Zippy Plus	£7	Disc Drive	£7
Knitmaster 151	£7	Brother Printer	£7
Knitmaster 151 Ribber	£7	Brother Overlocker 765DE	£7
Knitmaster 150 Ribber	£7	Brother Motor Drive and Stand	£7
Knitmaster Linker SC3	£7	Calcutnit	£7
Knitmaster Weaving Attachment	£7	Bond Original	£69
Knitmaster New Knit Radar KR7	£7	New Bond Classic	£7
Knitmaster Steam Press	£7	New Bond Elite	£7
Knitmaster New Electric Linker DL 1000	£7	Power Knit Linker (EKC)	£7
Knitmaster New Electronic 580 K	£7	Hague K/Machine I. K. 619	£7
Knitmaster Option 4 (Chunky)	£7	Hague Linker Hand	£7
Swiftknitter	£7	Hague Linker Electric	£7
Horn Cabinet + Bench K4	£7	Brother Electronic 940	£7
Brother 890	£7	Toyota 901	£7
Brother 891	£7	Toyota Ribbers	£7
Brother 710	£7	Toyota 858	£7
Brother 710 Ribber	£7	Toyota 950	£7
Brother 836	£7	Toyota Electric Linker	£7
Brother KR850 Ribber (fits all standard machines)	£7	Motor Drive and Stand	£7
Brother Garter Carriage KG88 MKII	£7	Electric Wool Winder	£7
Brother Garter Carriage KG89 Plus Magnets	£7	Power Knit Electric Linker	£7
Brother Garter Carriage KG93	£7	Elna Steam Press	£7
Brother 230 Chunky	£7	Simpleframe	£7
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BACK

Push 80 [84, 88, 92, 96] Ns at left and right of centre 0 to WP. 160 [168, 176, 184, 192] Ns. * Insert card A and lock on first row. Using WY, cast on and K a few rows ending with carriage at left. Using MC, K 1 row. Set RC at 000. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B, K 126 [126, 144, 144, 144] rows. Work measures 32.5 [32.5, 37, 37, 37] cm, 12 3/4 [12 3/4, 14 1/2, 14 1/2, 14 1/2] in. Remove card. Insert card B and lock on first row. Using MT-1, cont in Fair Isle patt B (see knitting notes) *.

SHAPE ARMHOLES

Cast off 8 sts at beg of next 2 rows. Dec 1 st at each end of every row until 122 [126, 134, 138, 146] sts rem, then on every foll alt row until 112 [116, 120, 124, 128] sts rem. K 57 [55, 51, 49, 45] rows. RC shows 206 [206, 224, 224, 224] and work measures 53 [53, 57.5, 57.5, 57.5] cm, 21 [21, 22 3/4, 22 3/4, 22 3/4] in.

SHAPE NECK AND SHOULDERS

Note patt row on card. Using nylon cord, K 74 [77, 80, 83, 86] sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. Cast off 6 [7, 7, 7, 7] sts at beg of next row. Dec 1 st at neck edge of next 6 rows and, at the same time, K 1 row. Cast off 6 [7, 7, 7, 7] sts at beg of next and foll 2 alt rows, K 1 row. Cast off rem 8 [5, 6, 7, 8] sts. With carriage at right, unravel nylon cord over 36 [38, 40, 42, 44] Ns at right bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side reversing shapings.

RIGHT FRONT

Push 48 Ns at left and 32 [36, 40, 44, 48] Ns at right of centre 0 to WP. 80 [84, 88, 92, 96] Ns. Work as for back from * to *.

SHAPE ARMHOLE

Cast off 8 sts at beg of next row, K 1 row. Dec 1 st at armhole edge of every row until 61 [63, 67, 69, 73] sts rem, then on every foll alt row until 56 [58, 60, 62, 64] sts rem. K 28 [26, 22, 20, 16] rows. 29 rows less have been worked to shoulder than on back.

SHAPE NECK

Cast off 8 [9, 10, 11, 12] sts at beg of next row, K 1 row. Cast off 4 sts at beg of next row, dec 1 st at neck edge of next 6 rows. Dec 1 st at neck edge of next and every foll alt row until 32 [33, 34, 35, 36] sts rem. K 9 rows.

SHAPE SHOULDER

Cast off 6 [7, 7, 7, 7] sts at beg of next and foll 3 alt rows, K 1 row. Cast off rem 8 [5, 6, 7, 8] sts.

LEFT FRONT

Work as for right front reversing shapings by reading left for right and right for left.

7 CARDIGAN IN GEOMETRIC PATTERNS

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines with or without a ribber.

MATERIALS

Spectrum Linaria 4-ply
1 [1, 1, 1, 1] x 500g cone in Aquarius (MC).
1 [1, 1, 1, 1] x 500g cone in White (C).
8 small buttons.
GARMENT WEIGHT
Finished garment in first size weighs 360g.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to Spectrum Ltd, Bankwell Road, Milnsbridge, Huddersfield, West Yorkshire HD3 4LU.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

To fit bust 87 [92, 97, 102, 107] cm, 34 [36, 38, 40, 42] in.
Actual size 99 [104, 109, 114, 119] cm, 39 [41, 43, 45, 47] in.
Length to shoulder 58.5 [58.5, 63, 63, 63] cm, 23 [23, 24 3/4, 24 3/4, 24 3/4] in.
Sleeve seam 42.5 [43.5, 43.5, 44.5, 44.5] cm, 16 3/4 [17 1/4, 17 1/4, 17 1/2, 17 1/2] in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

32 stitches and 39 rows to 10 cm, 4 in measured over Fair Isle pattern A (tension dial setting approximately 8).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used knit side of knitting as right side of garment. Punch cards, as shown, before starting to knit. Fill in pattern cards, as shown, before starting to knit. Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern. Count Ns in NWP as sts throughout.

FAIR ISLE PATTERN B

Cont in st st. K 2 rows C. Release card and cont in Fair Isle. Using MT, K 8 rows C/MC. Lock card on row 1. Cont in st st. Using MT-1, K 2 rows C and 2 rows MC. Release card and cont in Fair Isle. Using MT, K 8 rows MC/C. Lock card on row 1. Cont in st st. Using MT-1, K 2 rows MC. These 20 rows form pattern.

SLEEVES

Push 44 [45, 46, 47, 48] Ns at left and right of centre 0 to WP. 88 [90, 92, 94, 96] Ns. Insert card A and lock on first row. Using WY, cast on and K a few rows ending with carriage at left. Using MC, K 1 row. Set RC at 000. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. K 2 rows. Shape sides by inc 1 st at each end of next and every foll 7th [7th, 6th, 6th, 6th] row until there are 128 [132, 136, 140, 144] sts. K 8 [5, 19, 17, 11] rows. RC shows 144 [148, 148, 152, 152] and work measures 37 [38, 38, 39, 39] cm, 14 1/2 [15, 15, 15 1/4,

15 1/4] in.

SHAPE TOP

Cast off 8 sts at beg of next 2 rows. Dec 1 st at each end of next and every foll alt row until 82 [90, 98, 106, 114] sts rem, then on every row until 40 sts rem. Cast off.

BACK WELT

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MC, cast on 144 [152, 160, 168, 176] sts in 1x1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using

MT-4/MT-4, K 24 rows. Transfer sts for st st *.

MACHINES WITHOUT RIBBER
Push 146 [152, 161, 167, 176] Ns to WP. * Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-2 and MC, K 49 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed *.

ALL MACHINES

With P side facing, replace 160 [168, 176, 184, 192] sts at lower edge of back on to Ns gathering evenly. Using MT+2, K 2 rows. Cast off.

FRONT WELTS

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MC, cast on 72 [76, 80, 84, 88] sts in 1x1 rib. Work as for back welt from * to *.

MACHINES WITHOUT RIBBER

Push 74 [77, 80, 83, 89] Ns to WP. Work as for back welt from * to *.

ALL MACHINES

With P side facing, replace 80 [84, 88, 92, 96] sts at lower edge of front on to Ns gathering evenly. Using MT+2, K 2 rows. Cast off.

CUFFS

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MC, cast on 66 [68, 70, 72, 74] sts in 1x1 rib. Work as for back welt from * to *.

MACHINES WITHOUT RIBBER

Push 65 [68, 71, 71, 74] Ns to WP. Work as for back welt from * to *.

ALL MACHINES

With P side facing, replace 88 [90, 92, 94, 96] sts at lower edge of sleeve on to Ns gathering evenly. Using MT+2, K 2 rows. Cast off.

BUTTONHOLE BAND

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MC, cast on 124 [124, 132, 132, 132] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 5 rows. Counting from left edge, make 7 buttonholes over 4th and 5th, 10th and 11th, 16th and 17th and every foll 21st and 22nd [21st and 22nd, 23rd and 24th, 23rd and 24th, 23rd and 24th] sts. K 5 rows. Transfer sts for st st. With P side facing, pick up 17 sts along welt and 107 [107, 115, 115, 115] sts along front edge (noting position of beg of patt B) and place on to Ns. Using MT+2, K 2 rows. Cast off.

MACHINES WITHOUT RIBBER

Push 143 [143, 155, 155, 155] Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-2 and MC, K 6 rows.

Counting from left edge, make 7 buttonholes over 5th and 6th, 11th and 12th, 17th and 18th and every foll 25th and 26th [25th and 26th, 27th and 28th, 27th and 28th, 27th and 28th] sts. K 11 rows. Make buttonholes over same sts as before. K 6 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed. With P side facing, pick up 18 sts along welt and 125 [125, 137, 137, 137] sts along front edge (noting position of beg of patt B) and place on to Ns. Using MT+2, K 2 rows. Cast off.

BUTTON BAND

Work as for buttonhole band omitting buttonholes and matching position of beg of patt B.

NECKBAND

Join shoulder seams.

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MC, cast on 138 [142, 146, 150, 154] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-4/MT-4, K 5 rows. Counting from left edge, make a buttonhole over 4th and 5th sts. K 10 rows. Make a buttonhole over same sts as before. K 5 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER

Push 140 [143, 146, 152, 155] Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-1 and MC, K 6 rows. Counting from left edge, make a buttonhole over 5th and 6th sts. Using MT-2, K 11 rows. Make a buttonhole over same sts as before. Using MT-1, K 6 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed.

ALL MACHINES

With P side facing, pick up sts around neck edge and place on to Ns. Using MT+2, K 2 rows. Cast off.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join side and sleeve seams. Set in sleeves.

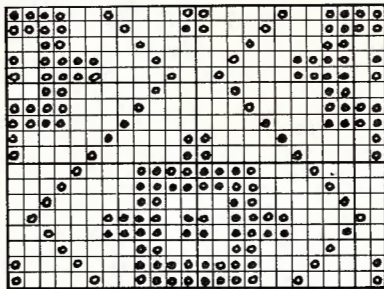
MACHINES WITH RIBBER

Fold neckband in half to inside and catch down.

ALL MACHINES

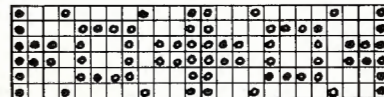
Neaten open ends of bands. Finish buttonholes. Sew on buttons.

PUNCHCARD CHART A



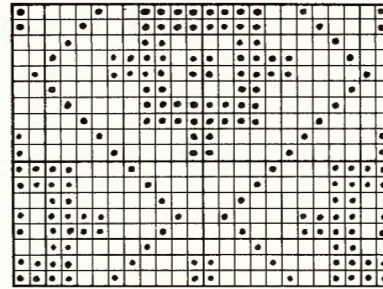
Repeat these 18 rows along card, starting and ending with two rows of holes, as usual.

PUNCHCARD CHART B

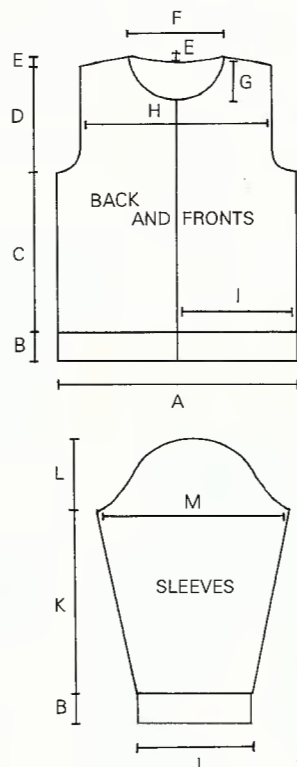
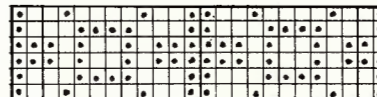


On a blank card, punch 2 rows of holes as usual. Then punch these 6 rows and use as in 'Knitting Notes'.

ELECTRONIC CHART A



ELECTRONIC CHART B



- A = 50 [52.5, 55, 57.5, 60] cm
- B = 5.5 cm
- C = 32.5 [32.5, 37, 37, 37] cm
- D = 20.5 cm
- E = 2 cm
- F = 15 [15.5, 16, 16.5, 17.5] cm
- G = 9.5 cm
- H = 35 [36, 37.5, 38.5, 40] cm
- I = 25 [26.25, 27.5, 28.75, 30] cm
- J = 27.5 [28, 28.5, 29, 30] cm
- K = 37 [38, 38, 39, 39] cm
- L = 13 cm
- M = 40 [41, 42.5, 43.5, 45] cm

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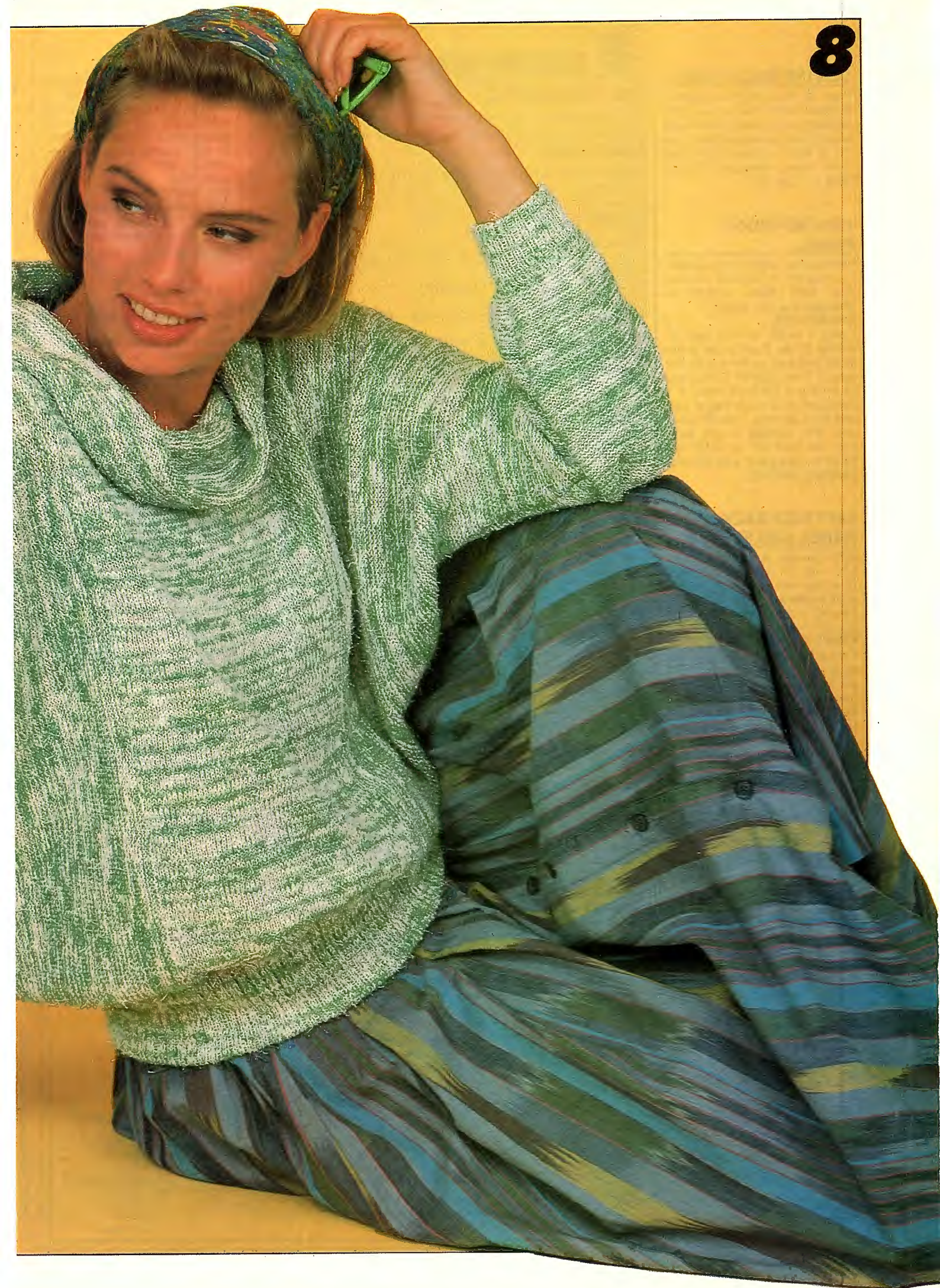


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7





CENTRE BACK PANEL

Push 32 Ns at left and right of centre 0 to WP: 64 Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000 *. Using MY, K 196 rows. Work measures 49 cm, 19¼ in. Cast off.

CENTRE FRONT PANEL

Work as for centre back panel to *. Using MY, K 180 rows. 16 rows less have been worked to shoulder than on back.

SHAPE NECK

Using a length of MY, cast off centre 20 sts. Push 22 Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 3 sts at beg of next and foll 3 alt rows, K 1 row. Cast off 2 sts at beg of next and foll 3 alt rows. Cast off rem 2 sts. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side reversing shapings.

LEFT SIDE BACK PANEL AND SLEEVE

With carriage at right and using MY, cast on 146 sts by hand. Counting from right edge, place a marker between 9th and 10th sts. Set RC at 000. Using MT, K 61 [71, 81] rows.

SHAPE SLEEVE

Cast off 4 sts at beg of next and foll 8 alt rows, K 1 row. Cast off 3 sts at beg of next and foll 5 alt rows, K 1 row. Cast off 2 sts at beg of next and foll 7 alt rows, K 1 row. Dec 1 st at left edge of next and every foll alt row until 66 sts rem, then on every foll 3rd row until 58 sts rem, then on every foll 4th row until 42 sts rem. K 7 rows. RC shows 221 [231, 241] and work measures 55 [57.5, 60] cm, 21¾ [22¾, 23¾] in. Using WY, K a few rows and release from machine.

RIGHT SIDE BACK PANEL AND SLEEVE

Work as for left side back panel and sleeve reversing shapings and reading right for left and left for right.

RIGHT SIDE FRONT PANEL AND SLEEVE

Work as for left side back panel and sleeve.

LEFT SIDE FRONT PANEL AND SLEEVE

Work as for right side back panel and sleeve.

WELTS

Join centre back and centre front

8 BATWING SWEATER

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge machines with or without a ribber

MATERIALS

Atkinson's Pearl

1 [1, 1] x 500g cone each in Apple (MY) and White (MY).

Atkinson's Twizzle

1 [1, 1] x 500g cone in White (MY).

GARMENT WEIGHT

Finished garment in second size weighs 590g.

The fibre content of Pearl is 70% Cotton, 30% Viscose. Twizzle is 100% Nylon. For further information about this yarn please write to Atkinson Yarn Designer Collection, Terry Mills, Ossett, Wakefield, West Yorkshire, WF5 9SA.

YARN THICKNESS

This yarn is medium weight and knits as four ply using two strands of Pearl and one strand of Twizzle.

MEASUREMENTS

To fit bust 87-92 [97-102, 107-112] cm, 34-36 [38-40, 42-44] in.
Actual size 103 [113, 123] cm; 40½ [44½, 48½] in.
Length to shoulder 59.5 cm, 23½ in.
Sleeve seam 45 cm, 17¾ in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

28 stitches and 40 rows to 10 cm, 4 in measured over stocking stitch (tension dial setting approximately 7).

For perfect results, please check your tension carefully

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used knit side of knitting as right side of garment for front and back panels and purl side for sides, collar and sleeves. Use two strands of Pearl (one Apple and one White) and one strand of Twizzle together as MY throughout.

panels to side panels up to markers.

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 146 [160, 174] sts in 1x1 rib. K 3 tubular rows. Carriage is at right.

Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-5/MT-5, K 44 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER

Push 146 [161, 173] Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a

few rows ending with carriage at left. Set RC at 000. Using MT-2 and MY, K 73 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MY evenly along the row. Unravel WY when work is completed.

ALL MACHINES

With P side of centre panels and K side of sides facing, pick up sts along lower edge and place on to Ns. Using MT, K 1 row. Cast off.

CUFFS

Join shoulder and upper sleeve seams.

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 56 sts in 1x1 rib. K 3 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-5/MT-5, K 27 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER

Push 56 Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-2 and MY, K 45 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MY evenly along the row. Unravel WY when work is completed.

ALL MACHINES

With K side facing, replace 84 sts from lower edge of sleeve on to Ns gathering evenly. Using MT, K 1 row. Cast off.

COLLAR

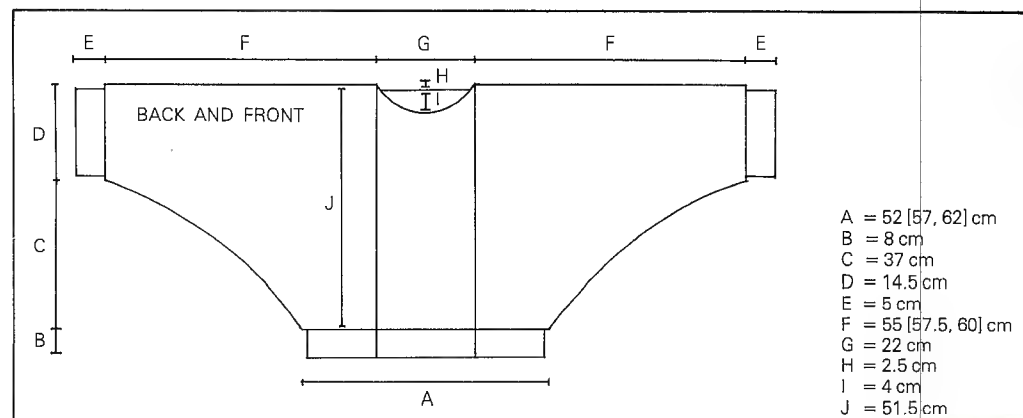
Using MY, cast on 200 sts by hand. Set RC at 000. Using MT, K 72 rows. Cast off.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join side, sleeve and collar seams. Sew cast off edge of collar into position.



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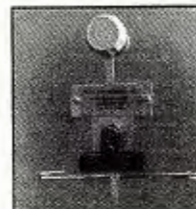
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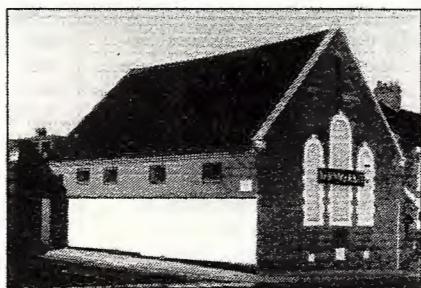
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TEACH-IN

JACQUARD KNITTING ON KNITMASTER AND BROTHER MACHINES — PART 5

This month and next I'm going to write about making the jacquard fabrics covered in Parts 1 to 4 of these articles into garments. In this respect I treat double jacquard in the same way as any other fabric knitted using the ribber, so even if you haven't a double bed colour changer and so can't knit double jacquard, or have a Toyota machine, I hope you'll find this article interesting and useful.

Ann Kite

First, if you have a ribber and want to use it for knitting entire garments in rib (not just the welt), I hope you have a charting device (that is a KnitRadar/Contour, KnitLeader or Knit Tracer). I think any serious knitter should have and use a charting device. For ribbed fabrics I think it is essential, as you find very few written patterns for garments in ribbed fabrics. The charting device enables you to take any yarn and knit it in the stitch you want to use and to the shape and size you want to knit, without doing a lot of tedious mathematical calculations or, even worse, just hoping for the best! This article isn't just about the basics of how to use your charting device, but if you don't use yours, do get your manual out and have a go. Or even better, buy my No.2 video, "Punchcard Knitting and the Charting Device". (This video doesn't cover ribbed fabrics, but it does take you through all the steps needed to use your charting device.)

The key to finishing up with a garment the size you intended is of course the tension swatch and that applies to both knitting following a written pattern or using the charting device. Tension swatches or squares are so important to successful knitting that they appear on each of my videos. At some point in filming my director or cameraman will ask "What's next, Ann?". When I say "tension squares," there's a groan! "Again!", they say. "I thought we did those last time." "Ah, but there's something new to say," I reply. So what is there

new to say about tension swatches when you are knitting ribbed fabrics? The usual instructions for tension swatches are to mark off and measure 60 rows and 40 stitches (or 30 rows and 20 stitches on a Chunky machine). When you do this, you are relying on the machine to knit to exactly the same tension when you're knitting a garment sized piece of knitting as when you're knitting a small piece (the tension swatch). This generally does happen when you're knitting on the main bed alone, but it doesn't when knitting with the ribber. My first garment sized pieces knitted on the ribber came out about 10-15 centimetres longer than expected. I found that I obtained less rows per 10 centimetres when knitting a long piece, compared to knitting 60 rows. Presumably this was because the knitting is on the machine longer when knitting a garment sized piece, so the weights have more time to stretch the knitting. So now I always knit a large tension square, 120 rows and 120 stitches (60 rows and 60 stitches on a Chunky) when using the ribber.

When knitting a tension square on the ribber, I knit it in a different way to knitting a tension square on the main bed alone. On a single bed I cast on 60 stitches and mark the twenty-first needle on either side, so that I have 40 stitches to measure, plus a border that is *not* measured. This is necessary with single bed fabrics as they tend to curl at the edges even after pressing and steaming,

so it's impossible to measure accurately to the very edge of the knitting. Double bed fabrics on the other hand lie flat, so it's possible to measure right to the edge. It's also difficult to knit needles in the middle of the row with waste yarn without getting in a tangle, so I cast on exactly the number of stitches I want to measure, that is 120 (or 60 for Chunkies).

I'm sometimes asked by knitters how you count the needles when doing double bed work. Is 120 stitches 60 on each bed or 120 on each bed? If you're going to use your charting device, it's when the edge needle on each side is number 60 on the main bed.

To measure 120 rows I still use marker rows in the same way as on the single bed, except of course that the marker rows are 120 rows apart.

Most knitters realise that it takes four passes of the carriages to knit two complete rows of pattern (or fabric) when knitting double jacquard. Knitters sometimes ask how you count the rows. Is 120 rows row counter 120, or row counter 240?

When knitting with the charting device, the only thing that it responds to (or counts if you like) is the passage of the carriage, *not* how much of the row is being knitted. So 120 rows is 120 passes of the carriage, that is RC120.

So knit a tension square, bring 120 needles (60 on Chunkies) to working position, cast on and knit a few rows of full needle rib (double rib). Change to double jacquard and on a standard gauge machine knit 40 rows (20 rows would give too short a border). On a Chunky 20 will be sufficient. To knit the marker rows, I leave the carriage settings exactly as they are for double jacquard and I leave the card rotating (or the pattern moving on an electronic) and knit four rows in waste yarn (which must be the same thickness as your jacquard yarns). Then set the row counter to zero and knit 120 rows (RC120) in jacquard (60 rows on a Chunky). The second set of marker rows are knitted in exactly the same way as the first and followed by 40 (or 20 on a Chunky) more rows of jacquard before stripping off.

After stripping off, allow the tension square to rest for 24 hours, then press or steam it and measure it.

If you're going to use a Brother KnitLeader, then the KnitLeader with a standard gauge machine wants to know how much in centimetres and millimetres 60 rows and 40 stitches measures. So divide the row measurement

by two and the stitch measurement by three and use the results to set the row tension control and to choose the stitch scale.

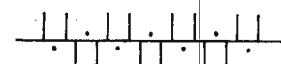
With a Brother Chunky machine and KnitLeader, measure the 60 rows, *don't* divide by two, but use just one tripper on the carriage instead of the usual two. Divide the stitch measurement by three as the stitch scales supplied by the Chunky machine are for the measurement of 20 stitches.

For a Knitmaster KnitRadar, you want to know how many rows and stitches there are in ten centimetres. To find this, divide 1200 by the measurement (in centimetres) of the 120 rows and 120 stitches.

Before knitting the garment, give some thought to the type of welt you want to knit. This depends to a certain extent on the style of garment. Because jacquard is based on slip stitch, for any given number of stitches the fabric is narrow. So the welt needs to be chosen with care to get the effect you want. If you're knitting a sweater and want a conventional welt several centimetres deep, that pulls in, then a fine 2x2 rib is best. That is two needles in working position, one out of work, on each bed and the ribber at half pitch (Fig 1). This

NEEDLE ARRANGEMENT FOR FINE 2x2 RIB (SEE YOUR MANUAL FOR THE CAST ON SEQUENCE WHICH INCLUDES RACKING)

| NEEDLE IN WORKING POSITION
• NEEDLE OUT OF WORK



RIBBER ON HALF PITCH

FIG. 1

is how the needles are when knitting the welt, don't forget the cast on requires racking. Have a look in your ribber manual.

If you're knitting a jacket and only want a very narrow border rather than a welt, then a few rows of full needle rib (double rib) or a few rows of a tubular hem are effective.

As with all knitting you need to choose your welt (and the tension you're going to knit it in) and your main stitch (and its tension) and then knit a bit of welt followed by say 20-40 rows of your main stitch — jacquard in this case — and see if the effect is what you want. If you're using a 2x2 rib, after knitting the welt all the non-working needles are brought to working position ready for jacquard knitting. If you go straight into jacquard you'll find you get a row of eyelet holes where the empty needles began to knit. To minimise this set the

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carriages to circular knitting (Fig. 2) and knit one circle (that is two passes of the carriage) *after* bringing the needles to working position, but before starting the jacquard.

Now let's think about shaping the garment. Increasing, decreasing and casting off are easy to do, so all the shaping that takes place at the edge of your piece of knitting, that is sleeve, armhole, shoulder shapings, can all be done on the machine. When you want to increase or decrease a stitch, you are of course increasing or decreasing one on *both* beds. If you find this confusing the easiest way to understand this is that you must keep your needle set-up (or needle rule) correct, that is the edge needle must always be on the main bed (Fig. 3) and the edge needle must be the one indicated

FIG. 2 CIRCULAR ROWS
KNITMASTER
RIBBER CARRIAGE

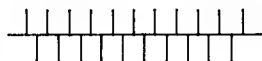
MAIN CARRIAGE - ELECTRONIC
PUNCHCARD

BROTHER
RIBBER CARRIAGE

MAIN CARRIAGE

left set lever	0
right set lever	1
pick knob	2
auto set lever	Not in use
auto set driving cam	C
cam lever	0
side levers	0 left to right row
cam lever	0 right to left row
cam lever	0
left cam lever	pp
right cam lever	N
tucking lever	9
left part button	Qul
right part button	ln

FIG. 3
NEEDLE ARRANGEMENT FOR DOUBLE JACQUARD



RIBBER ON HALF PITCH

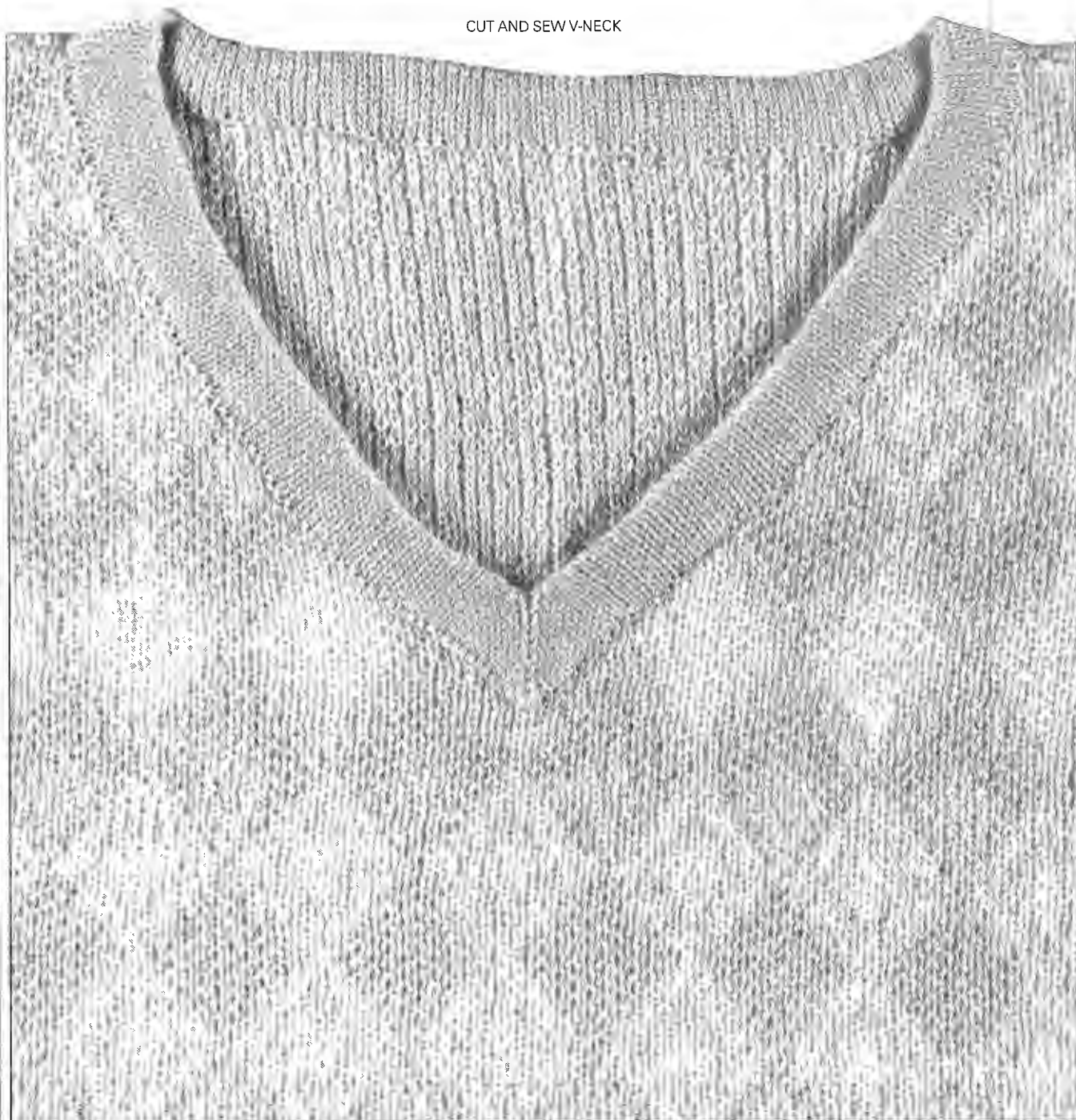
NOTE - EDGE NEEDLES ARE ON THE MAIN BED

by the stitch scale of your charting device.

Necklines however are not easily done on the machine. When knitting with the ribber, the comb and its weights must hang level and pull down evenly on the knitting. If you put half your needles to hold, however carefully you try to adjust the weights it is difficult to make the comb hang properly. Cut and sew necklines are the answer and are very easy to do even if you don't have a sewing machine.

However, I've run out of space for this month, so cut and sew necklines will have to wait until next month. But I've included a photograph of a cut and sew V-neck done on some jacquard so you can see how effective it can be. I will of course be covering round necks as well.

CUT AND SEW V-NECK



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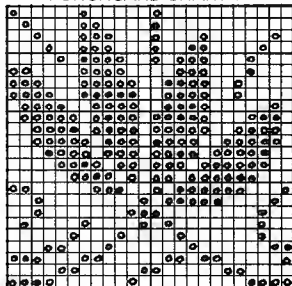
BACK

Push 76 [80, 84, 88] Ns at left and right of centre 0 to WP. 152 [160, 168, 176] Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Cont in Fair Isle patt 1, then Fair Isle patt 2; *at the same time*, shape sides by inc 1 st at each end of 7th and every foll 12th row until there are 170 [178, 186, 194] sts. K 5 [5, 11, 11] rows. RC shows 108 [108, 114, 114] and work measures 26 [26, 27.5, 27.5] cm, 10 1/4 [10 1/4, 10 3/4, 10 3/4] in.

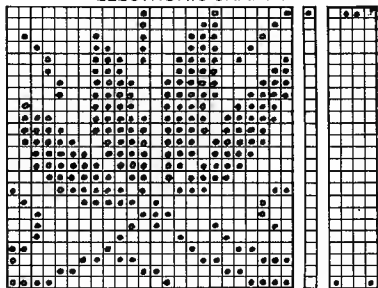
SHAPE ARMHOLES

Cast off 10 sts at beg of next 2 rows. Dec 1 st at each end of every row, until 136 [144, 148, 156] sts rem, then on every foll alt row until 126 [130, 134, 138] sts rem, then on foll 4th row. 124

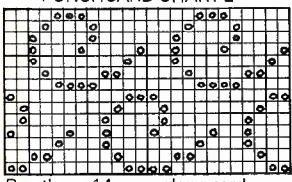
PUNCHCARD CHART 1



ELECTRONIC CHART 1

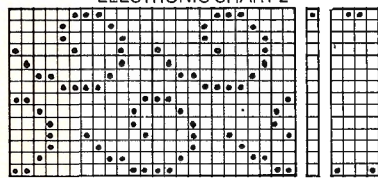


PUNCHCARD CHART 2



Rep these 14 rows along card, starting and ending with 2 rows of holes, as usual

ELECTRONIC CHART 2



9 FAIR ISLE SWEATER WITH PUFF SLEEVES

PATTERN RATING

** Fairly easy for knitters with some experience.

MACHINES

This pattern is suitable for standard gauge punchcard or electronic machines with or without a ribber.

MATERIALS

King Cole Coral Spun

1 [1, 1, 1] x 300g cone in Silver (MC)

1 [1, 1, 1] x 300g cone in Primrose (C)

GARMENT WEIGHT

Finished garment in first size weighs 295g.

The fibre content of this yarn is 85% minimum Acrylic, 15% other fibres. For further information about this yarn, please write to King Cole Ltd., Merrie Mills, Old Souls Way, Bingley, West Yorkshire BD16 2AX.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

To fit bust 87 [92, 97, 102] cm, 34 [36, 38, 40] in.

Actual size 105 [110, 115, 120] cm, 41 1/4 [43 1/4, 45 1/4, 47 1/4] in.

Length to shoulder 56 [57.5, 59, 60.5] cm, 22 [22 3/4, 23 1/4, 23 1/2] in.

Sleeve seam 12.5 [12.5, 13, 13] cm, 5 [5, 5 1/4, 5 1/4] in.

Instructions are written for the smallest size; larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

32 stitches and 41 rows to 10 cm, 4 in measured over Fair Isle pattern 2 (tension dial setting approximately 3).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used knit side of knitting as right side of garment. Punch cards, as shown, before starting to knit. Fill in pattern cards, as shown, before starting to knit.

KNITMASTER ELECTRONIC MACHINES

Place needle 1 cam between Ns 12 and 13 at left of centre 0. Press button 1 (left light on) and button 2 (right light on for 580 machines, left light on for other models).

BROTHER ELECTRONIC MACHINES

Position pattern over centre 0.

FAIR ISLE PATTERN 1

Insert card 1 and lock on first row. Using MT-1, K 2 rows MC, 2 rows C and 2 rows MC. Release card and cont in Fair Isle with MC in feeder 1/A and C in feeder 2/B. Using MT, < 24 rows. Remove card.

FAIR ISLE PATTERN 2

Insert card 2 and lock on first row. Using MT-1, K 2 rows MC, 2 rows C, 2 rows MC and 2 rows C. Using MT, release card and cont in Fair Isle with C in feeder 1/A and MC in feeder 2/B (throughout).

[128, 132, 136] sts *. K 63 [65, 63, 65] rows. RC shows 194 [200, 206, 212] and work measures 47 [48.5, 50, 51.5] cm, 18 1/2 [19 1/4, 19 3/4, 20 1/4] in.

SHAPE NECK AND SHOULDERS

Note patt row on card. Using nylon cord, K 81 [84, 87, 90] sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. Cast off 7 sts at beg of next row and 4 sts at beg of next row. Dec 1 st at neck edge of next 5 rows and, *at the same time*, cast

off 7 sts at beg of next and foll 2 alt rows, K 1 row. Cast off rem 6 [7, 8, 9] sts. With carriage at right, unravel nylon cord over 38 [40, 42, 44] Ns at right bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side reversing shapings.

FRONT

Work as for back to *. K 33 [35, 33, 35] rows.

SHAPE NECK

Note patt row on card. Using nylon cord, K 68 [71, 74, 77] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Cast off 4 sts at beg of next and foll alt row. Dec 1 st at neck edge of next 6 rows. Dec 1 st at neck edge of next and every foll alt row until 36 [37, 38, 39] sts rem, then on every foll 4th row until 34 [35, 36, 37] sts rem. K 1 row.

SHAPE SHOULDER

Cast off 7 sts at beg of next and foll 3 alt rows, K 1 row. Cast off rem 6 [7, 8, 9] sts. With carriage at right, unravel nylon cord over 12 [14, 16, 18] Ns at right, bringing Ns back to WP. Using WY, K a few rows in st at and release from machine. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side reversing shapings.

SLEEVES

Push 62 [64, 64, 66] Ns at left and right of centre 0 to WP. 124 [128, 128, 132] Ns. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Cont in Fair Isle patt 2 and, *at the same time*, shape sides by inc 1 st at each end of 3rd and every foll 4th row until there are 144 [148, 148, 152] sts. K 3 [3, 5, 5] rows. RC shows 42 [42, 44, 44] and work measures 10 [10, 10.5, 10.5] cm, 4 [4, 4 1/4, 4 1/4] in.

SHAPE TOP

Cast off 10 sts at beg of next 2 rows. Dec 1 st at each end of next and every foll alt row until 58 [60, 60, 62] sts rem, then on every row until 48 [50, 50, 52] sts rem. Cast off.

WELTS

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 2x2 rib. Push 116 [124, 132, 140] Ns on both beds to WP. Arrange Ns for 2x2 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. Using MT-5/MT-5, K 50 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER

Push 116 [125, 131, 140] Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-3 and MC, K 101 rows. Push NS from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed.



ALL MACHINES

With P side facing, replace 152 [160, 168, 176] sts at lower edge on to Ns gathering evenly. Using MT+1, K 2 rows. Cast off.

CUFFS

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 2x2 rib. Push 96 [100, 100, 104] Ns on both beds to WP. Arrange Ns for 2x2 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. Using MT-5/MT-5, K 14 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER

Push 98 [101, 101, 104] Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-3 and MC, K 29 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed.

ALL MACHINES

With P side facing, replace 124 [128, 128, 132] sts at lower edge on to Ns gathering evenly. Using MT+1, K 2 rows. Cast off.

NECKBAND

Join right shoulder seam.

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for

2x2 rib. Push 148 [152, 156, 160] Ns on both beds to WP. Arrange Ns for 2x2 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2x2 rib knitting. Set RC at 000. Using MT-5/MT-5, K 30 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER

Push 149 [152, 158, 161] Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-2 and MC, K 7 rows. Using MT-3, K 15 rows. Using MT-2, K 7 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed.

ALL MACHINES

With P side facing, pick up sts around neck edge and place on to Ns. Using MT+1, K 2 rows. Cast off.

MAKING UP

Join left shoulder and neckband seam. Join side and sleeve seams. Measure 6.5 cm, 2½ in down from each shoulder seam on back and front and place a marker. Set in sleeves up to markers, gather rem top sleeve edge to 13 cm, 5 in and sew into position.

MACHINES WITH RIBBER

Fold neckband in half to inside and catch down loosely.

SINGER SPECIAL

I have actually done a little knitting on the Singer Freestyle (electronic) machine.

Joan Lafferty

In my experience, about 95% of new knitters start off by saying they are going to make "a jumper for my husband". So I decided I would try out a V-neck jumper from the leaflet issued with the machine. I had a cone for four ply acrylic in bottle green lurking in the cupboard, left over from an order which never materialised. First snag, the pattern called for 625 grams; my cone was only 425 grams. I decided I would still do the V-neck pattern, but make it in a 30 inch size.

I used the pattern card supplied with the machine, which has to be read in conjunction with the instruction book. It was quite a feat of balancing to get pattern card, instruction book and my notebook and pencil all round the machine. (My knitting room is very small!) I was thankful that I had a pattern holder (supplied by PDB Engineering of Northampton) which clips on to the yarn mast. This took the pattern card nicely and held it before my eyes at just the right level.

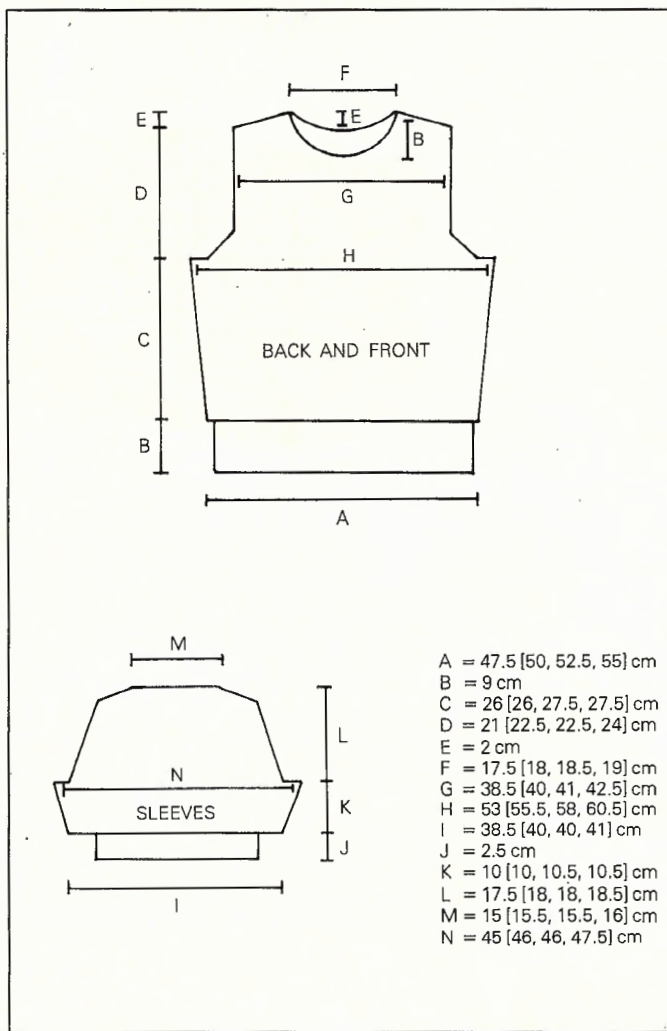
I remembered from my previous reading of the instruction book that there were notes on making a tension piece. These were headed "For a more professional touch" and came after the instructions for knitting the garment. To make the tension piece the book said to cast on sixty stitches and knit forty rows in the chosen tension, then two rows in waste yarn and another forty rows using one whole stitch size lower, then repeat with one tension larger. Then take a tape measure and count how many stitches and rows one was knitting to ten centimetres. I faithfully did this, but it would have been much easier to use my "green rule" (Knitmaster stitch gauge). Next I read through the pattern - this is something eager knitters often forget. It stood me in good stead, however, because I noticed that the rib should be two by two "industrial" rib. A perusal of the instructions showed me it was a setting with the intermediary lever (half pitch lever) to the left. The needles are then arranged so that two are working and one non-working on each bed. The non-working needle comes opposite the two

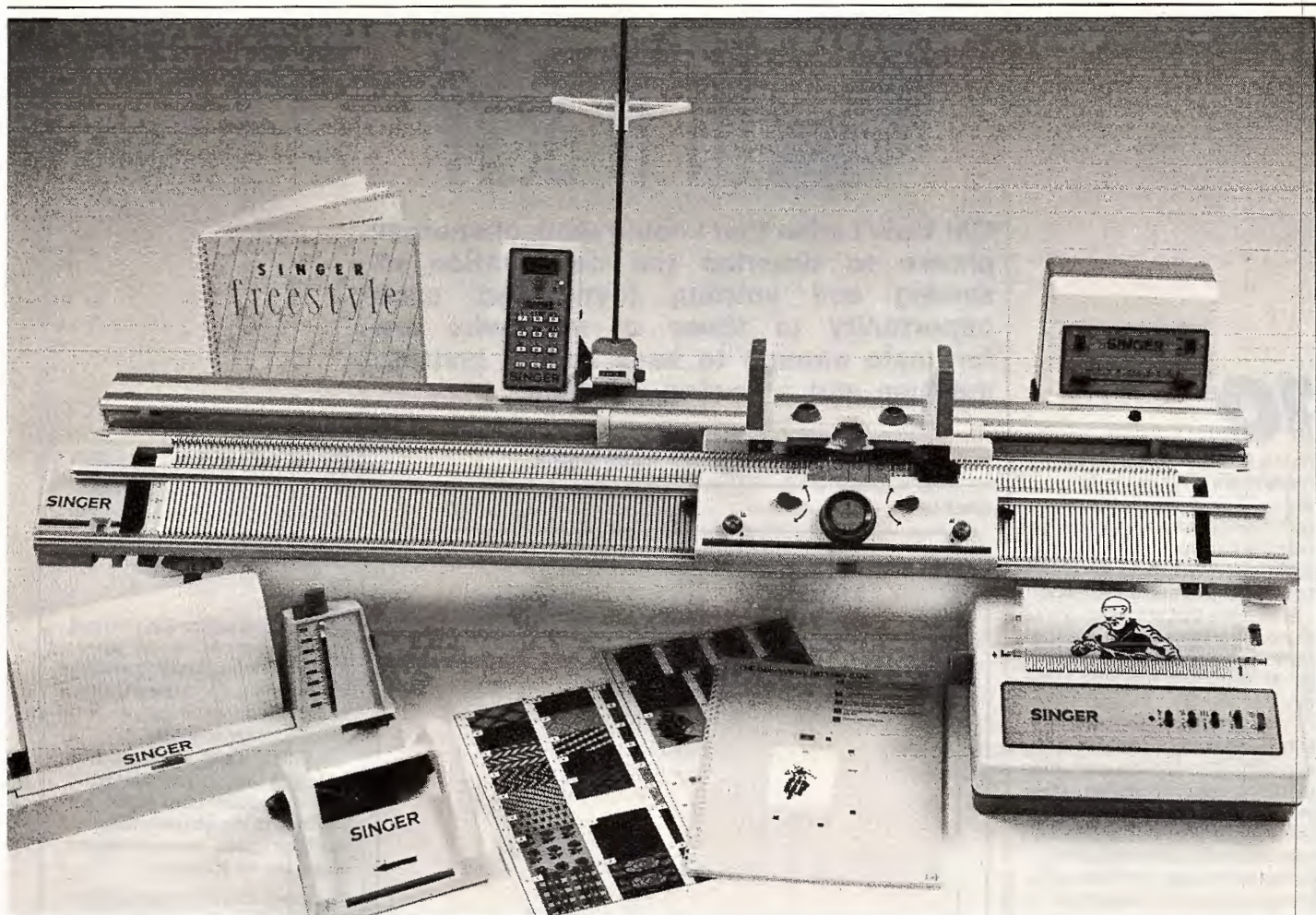
working ones. In her ribber books several years ago Mary Weaver called this "Two up and one down" rib, which I think is very descriptive. In her later book for the Brother ribber she calls it "commercial" rib. (Not unlike "industrial" I suppose.) On the other hand Betty Bailey, who writes a lot on ribber work, calls it "half pitch" rib. Somehow the words "industrial rib" rang a bell in my mind so I hunted through the books of that other prolific writer - Kathleen Kinder. Sure enough she made a casual reference to industrial rib. It was a mistake picking up a couple of books; I spent the rest of the evening reading, quite neglecting both this article and the knitting machine.

After all this I decided I should take my own advice to new knitters and stick to one plain, one purl rib until I was sufficiently experienced with this new machine to understand what I should be doing to produce "industrial rib". I knitted the rib quite successfully, but managed to get stuck halfway across when using the transfer carriage. I wrote in my notebook "why did the transfer carriage only transfer a few stitches?". This is the sort of question my students ask me and I invariably reply "I don't know, unless I see what you are doing". I had to answer myself "I don't know!" because the next time I tried it, the carriage worked like a dream. It is very similar to the Brother and Toyota transfer carriages, but much lighter to use. What did I do wrong? I guess the stitches were not properly in line. I usually run a finger along both beds before I operate the carriage.

The next question I asked was a familiar one "why did all of the stitches fall off?". The answer was familiar too. "Because the yarn wasn't properly in the feeder". All this proves what I have been saying for years, it's not how long you have had a machine, but how often you use it to get familiar with all the operations.

I did another stupid thing, but fortunately this was when I was practising. Having knitted some rib and transferred it successfully





to the back bed, I took the weights off the comb. This is what I do automatically when using a Japanese machine, but I soon found that the Singer needed the weights; without them all the work "bubbled up" on the needles. I also found that the intermediary lever (half pitch lever) needs to be pushed into position with a definite "click", or the needles are not properly positioned for transferring the stitches. The knitting went well up to the armholes. I found it a bit difficult to cast off the necessary five stitches for the underarm, so I lowered the front bed. I should explain that this Singer machine knits stocking stitch on the back bed, but unlike the Japanese ones, the ribber bed is kept in position, in fact it is one notch higher for stocking stitch than it is for ribbing. Having lowered the bed it was much easier to cast off. Then I did what I always do, I put the claw weights on the extreme edge of the cast off. I have learned from bitter experience that the cast off piece will curl up and knit itself in while one is not looking. When I re-read my notes on this section I actually laughed aloud! I had written "the claw weight bit me!". I am used to the Japanese weights, where the metal "claw" flops to and fro as one uses it; the Singer one has a plastic "claw" which needs to be clicked into place with a definite movement. I managed to get my finger caught in the hinge, which made me jump, hence my note to myself! (Possibly this will become

a little looser when it has been used for a time.)

The pattern suggested that the raglan should be decreased one stitch each end, three stitches in, on every other row. I have been accustomed to decreasing two stitches every four rows (or thereabouts, it varies slightly when using a charting device). But I did as I was told, being careful to move the crocodile (this is what I call the claw weight now!) up the work every few rows. I have found that decreasing only one stitch makes for a tight raglan. After a time I found it was a fiddle, dropping the front bed down every time I wanted to decrease, so I tried to do it with the bed in position. With practise, I managed it quite successfully, so although I would still lower the bed when decreasing several stitches, I shan't bother when doing raglans.

The back and sleeves were knitted without any more problems and so was the front until it came to working the V-neck. I put the left-hand stitches to "hold" while I worked on the right side. Since I was using dark yarn it was unlikely that I would have a dirty line due to the carriage passing over the stitches many times. In fact the work shows no sign of oily marks or "fluffing" so possibly this machine is kinder than the Japanese ones. I must try on some light yarn and I must also see if I can take the stitches down to the non-working position on a nylon cord. Since one is not

supplied with the machine, perhaps this will not be necessary. More of that when I have done some further experiments.

I then found myself having to cast off on every other row (or the beginning of every row) for the armholes, while decreasing one stitch at the neck edge on every fourth row. So I did what I always do in these circumstances - I wrote the row counter numbers for every fourth row on a piece of paper. Had the raglan decreases been less simple I would have used another piece of paper, placing them one to the left and one to the right and changing them round for the second half of the neck.

I was very pleased with the jumper when it was finished; the fabric was soft to the touch and looked very even. I measured it carefully when made up and found that it was very slightly larger round the chest than suggested on the pattern. It was only about one inch larger (yes, the pattern was quoted in inches!). No value was given for the underarm seam, or for the length from back of neck. The sleeve, however, came out about two inches longer than the pattern. These differences would not matter too much when knitting for a child, because they tend to vary more than an adult in length of arm and so on. A sleeve is better too long than too short, the cuff can always be turned up. I left the pins in my tension piece, so I have just recounted; I found

once again that tension seven gave me 28 stitches and 40 rows to my ten centimetres, so either the pattern was "out" or more likely it was my "cold water treatment" that stretched the finished garment.

In case anyone is interested the cold water treatment consists of getting a cloth (I use a piece of old sheeting folded into four and dipped in cold water, wrung out until not actually dripping, but not completely dry either). The garment is then smoothed out on the ironing board and the "cold compress" smoothed out over it. Sometimes I also put a wet cloth under the garment as well, but this one was not particularly thick in construction. This "treatment" made a very nice smooth finish without having recourse to an iron or steam. Someone is asking what yarn I used. It was "four ply acrylic", but the manufacturer is no longer making this particular yarn, so there is no point in mentioning it!

I want to make another garment in light coloured yarn, then I am itching to try out the various stitches which come next in the instruction book. I have not even put the electronic "box of tricks" on to the machine because I know I would be tempted to rush ahead and try it out. I am usually like Alice in Wonderland who gave herself good advice and seldom took it. This time I really must learn how the machine works before I attempt the fancy stuff. In other words "practise what I preach".

CUT'N' SEW

10

At this time of the year, when holidays are in full swing, I wonder how many of you have outfits suitable for the warm, hot weather but would like to have a slightly warmer little jacket to slip on when the temperature drops?

It was this that prompted me to make a dressmaker skirt and sun top and add to it a knitted cropped jacket edged with the fabric of the outfit.

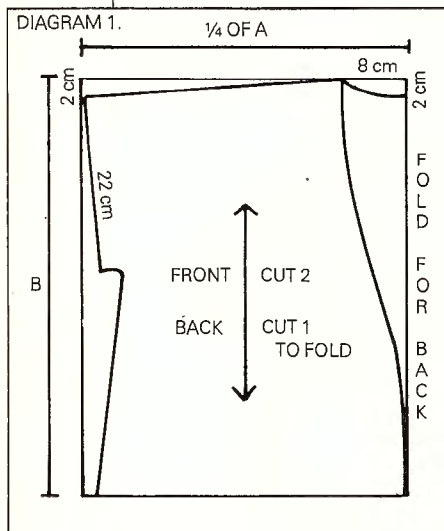
Colours today can be very subtle and ready-made knitwear is very difficult to find in exactly the matching fabric. So, armed with a piece of fabric, I visited our local knitting machine shop and found a cone of acrylic yarn that exactly picked up the colour of blue in my material at a cost of only £4.50. I could have made two jackets from the cone.

Back in the workroom I made a pattern for the top which you can do for any size.

The measurements you require for the knitting and the pattern are:

A. Bust size plus 10" (25 cm) = measurement A.

B. The length you require taken from centre shoulder to 3" (7.5 cm) below your waist = measurement B.



MAKING YOUR PATTERN

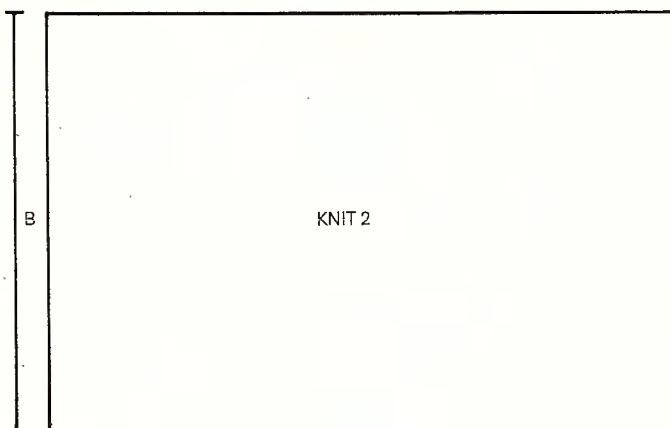
Follow diagram 1 to make your front and back pattern. Note that the back is marked Cut 1 with centre back to the fold of the fabric. The front is marked Cut 2.

Oh! How I wish that I could think of another phrase to describe the combination of sewing and knitting that offers such opportunity to those of you who are fortunate enough to have both a knitting machine and a sewing machine.

Betty Foster

DIAGRAM 2

1/2 OF A



KNITTING YOUR FABRIC

Test knit your yarn to find out how many stitches it produces to the inch – knitting in stocking stitch – then knit two pieces as per diagram 2.

CUTTING OUT

Press your knitted pieces. Fold each knitted piece in half from top to bottom and pin the edges together to avoid any movement. Cut out the back to a folded edge and the two fronts from the remaining piece. Be sure to cut out both pieces in the same direction of the knitting.

THE SEWING

1. Stitch the shoulder seams.

MEASURING FOR THE FABRIC STRIPS

a) Measure right round the fronts and back neck, then add 13 cm to the measurement.

Cut fabric to this length, 7 cm wide.

b) Measure along the sleeve edge.

Cut two strips of fabric to this length, 6 cm wide.

c) Measure your top hip where the bottom band will sit.

Cut fabric strip to this measurement, 12 cm wide.

SEWING CONTINUED

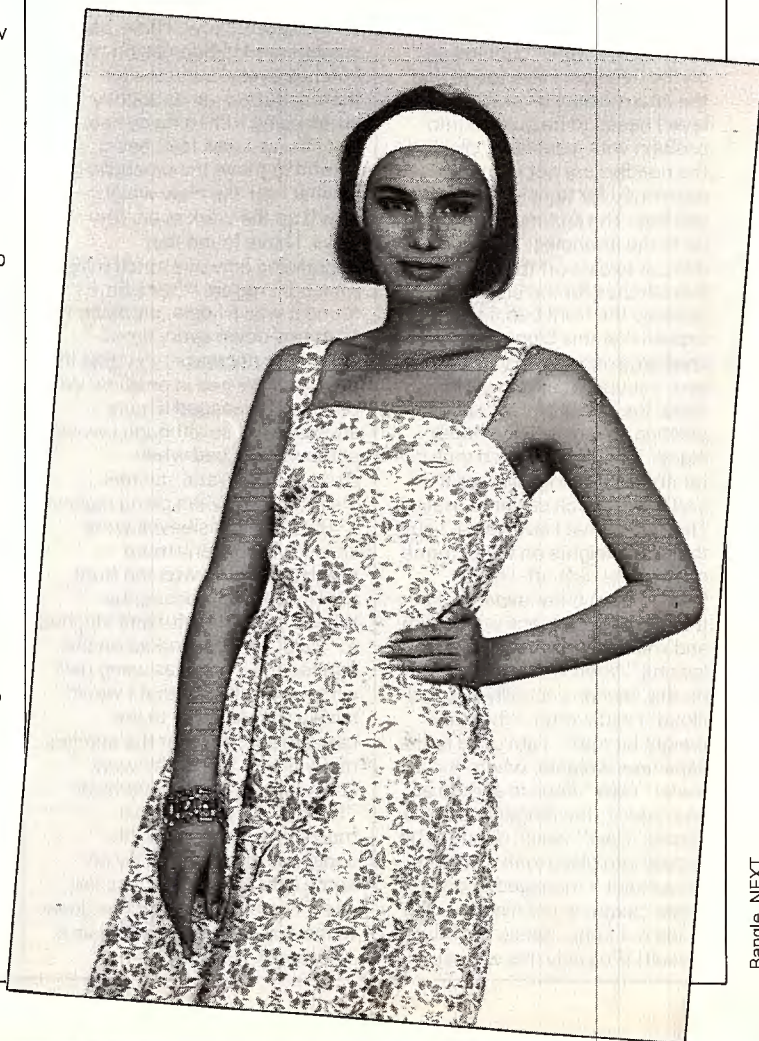
2. Fold the sleeve strips in half, right side out and stitch one strip to each sleeve edge.

3. Stitch the side seams continuing through the fabric edging.

4. Fold the bottom band in half, right side out and, making sure that you do this evenly, gather the bottom of the knitted top to fit the folded bottom band before stitching them together.

5. Fold the long front strip in half, right side out and starting from the bottom front edges, pin the band to the garment then stitch into place. Neaten bottom edges before stitching.

If you would like the instructions to make the pattern for the skirt and vest top, send an sae plus 50p to Betty Foster (MKM August), Scope House, Weston Road, Crewe CW1 1DD.





BOND NOTEBOOK

LET'S TRY SOME LACE

You can knit some super lace patterns on both the Elite and the Classic and this month I'm explaining how to get started with three examples which may look complicated, but are in fact quite simple. Knit them in cool cotton or even silk (for an extra touch of luxury) and you'll have something really special. Even if you don't fancy using lace for the complete garment, a panel or border would add interest to something plain – and whilst we're on the subject, why stick at garments? Lace bedspreads and curtains are very popular just now and don't forget you can extend both the Bond Classic and the Elite!

Rosa Postance

Like all stitch patterns, lace designs need some form of instructions to tell you what to do and I feel the easiest way by far is a stitch transfer diagram. This isn't a row by row diagram as such, what it shows are the actual transfers. The numbers at the side represent the number of rows of stocking stitch to be knitted between the transfers and these are the rows which are counted as actual knitting. If you prefer you can include these rows in your diagram, but I think it is more confusing. However, use whichever suits you best, of course. Maybe using different colours for rows of knitting and rows of transfers is an idea – but the main thing is that you can understand what to do! There is one further point I should mention. The diagrams show the purl side of the knitting, in other words as it looks to you on the machine. I generally use this method, as quite frankly I find it easier to follow. Handknit

patterns often tend to work from the knit side, so that you have to think in reverse when you transfer stitches on a knitting machine. To my way of thinking I prefer the diagram to be as the knitting appears to me while I sit at the machine.

ABOUT THE EXAMPLES

Although the number of stocking stitch rows that make up one pattern repeat gradually increase, the laces themselves are not necessarily more complicated. All the transfers are over just a single stitch, so even if you are a new knitter, you should be able to use them easily. If you don't want to work an all-over pattern, how about selecting just a few rows for a pretty lace border or panel?

Samples 1 and 2 have been worked on a Bond Classic in Sirdar Mercerised 100% cotton and sample 3 in Patons Classic 100% Cotton. Both yarns are Double Knitting. When knitting in cotton remember it has very little stretch indeed, unlike wool, so take care not to strain the needles.

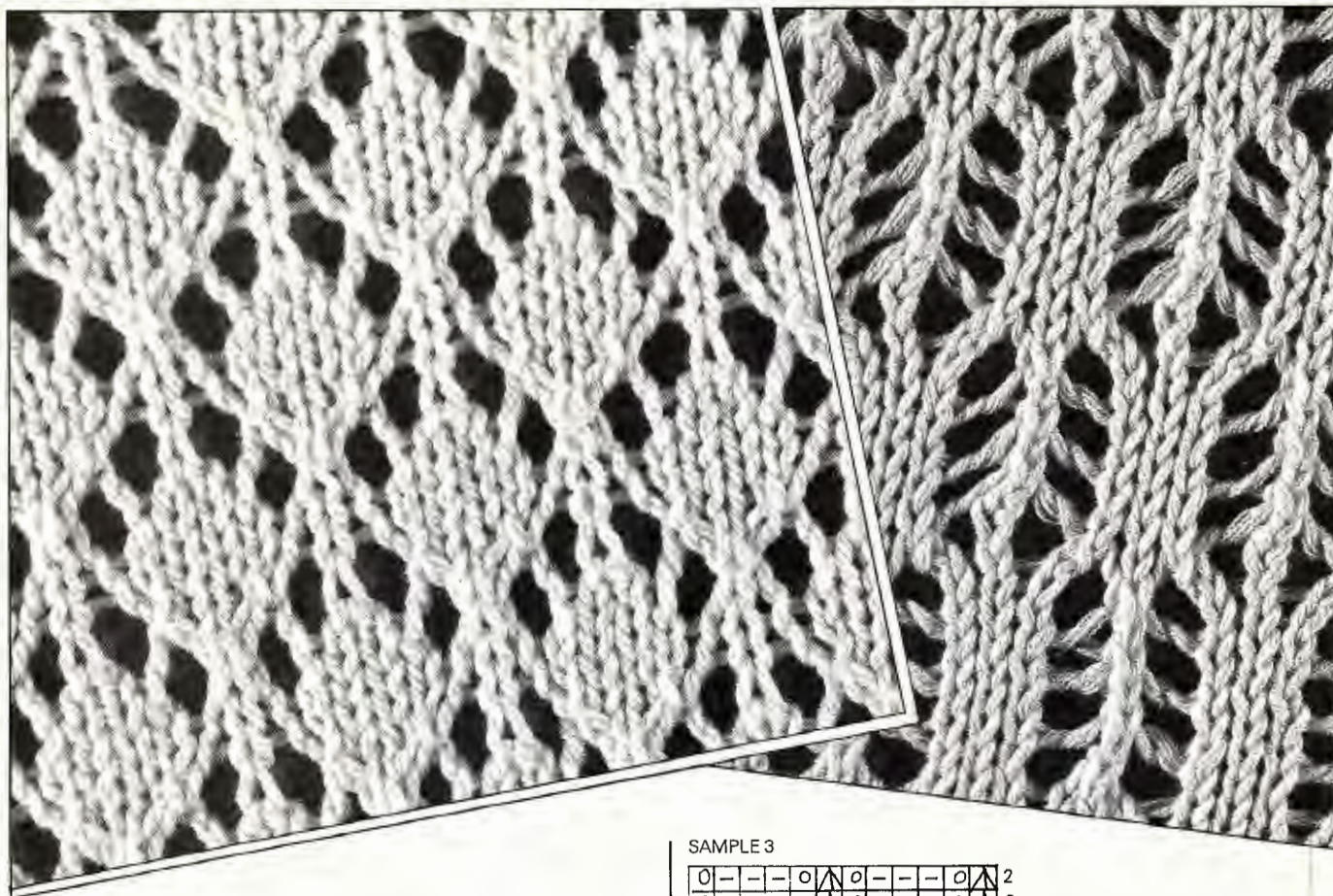
SAMPLE 1

Perhaps this reminds you of arrows or maybe horseshoes – anyway I think you'll agree it's quite an effective design for the minimum of effort. There's nothing to stop you having more than three stitches between the lace and working a small cable twist or perhaps some embroidery.

SAMPLE 1

-	△	o	-	o	-	-	-	△	o	-	o	△	-	-	2
-	o	△	o	-	-	-	-	o	△	o	-	-	-	-	2
-	o	△	-	△	o	-	-	o	△	-	△	-	-	-	2

8 STS AND 6 ROWS = 1 PATT REPEAT
NO. OF STOCKING STITCH ROWS
BETWEEN TRANSFERS



SAMPLE 2

△	○	-	-	-	○	△	○	-	-	-	○	4
-	△	○	-	○	△	-	△	○	-	○	△	2
-	-	○	△	○	-	-	-	○	△	○	-	4
-	○	△	-	△	○	-	○	△	-	△	○	2

6 STS AND 12 ROWS = 1 PATT
REPEAT
NO. OF STOCKING STITCH ROWS
BETWEEN TRANSFERS _____

SAMPLE 2

Looked at one way this is a diamond pattern, but then the pattern of holes (on a single repeat especially) puts me in mind of a daisy. The important point here is to watch out for the repeating sequence of two rows then four rows stocking stitch between transfers!

SAMPLE 3

0	-	-	-	0	Δ	0	-	-	-	0	Δ	2
0	-	-	-	0	Δ	0	-	-	-	0	Δ	2
0	-	-	-	0	Δ	0	-	-	-	0	Δ	2
0	Δ	-	Δ	0	-	Δ	-	Δ	0	-	-	2
-	0	Δ	0	-	-	0	Δ	0	-	-	-	2
-	0	Δ	0	-	-	0	Δ	0	-	-	-	2
-	0	Δ	0	-	-	0	Δ	0	-	-	-	2
Δ	0	Δ	0	Δ	-	Δ	0	Δ	0	Δ	-	2

6 STS AND 16 ROWS = 1 PATT
REPEAT
NO. OF STOCKING STITCH ROWS
BETWEEN TRANSFERS _____

SAMPLE 3

I think this pattern looks like ears of corn and again, you could alter the spacing to give a different effect. Although the pattern repeat is much longer, several rows are the same so once you have established the initial positioning, the rest is fairly easy to follow.

KEY TO CHARTS

- ☐ PURL ST (ON REVERSE SIDE OF KNITTING) ☒ TRANSFER STITCH TO NEEDLE ON RIGHT
☒ HOLE (MADE BY TRANSFERRING A STITCH) ☒ TRANSFER STITCH TO NEEDLE ON LEFT

WHAT IS KNITTED LACE

Knitted lace is really a pattern of holes in stocking stitch. A hole is made by transferring a stitch from one needle to the adjacent needle (there are now two stitches on one needle). The stitch to be moved is taken off its own needle with a transfer tool and is then placed on to the adjoining needle either to the left or to the right (see Fig A). The direction in which it is moved will depend on the stitch transfer diagram. The empty needle is left in working position so that at the next pass of the carriage, it catches a loop of yarn (see Fig B). This completes the process for one row of simple transfer lace and is similar to the way in which you would make a small buttonhole.

Sometimes in more complicated lace designs, blocks of more than one stitch are moved across so that the needle containing the two stitches is several needles away from the actual hole. The actions are similar except that you should use a transfer tool with the same number of eyes (for example, two eyes if you are transferring a block of two stitches, three eyes for three stitches and so on) or "shunt" the stitches across in stages. (This is similar to fully-fashioned shaping.) To make yourself some space when working in stages, always make sure you start by moving the end stitch to put two stitches on to one needle, or you will have nowhere to put your stitches!

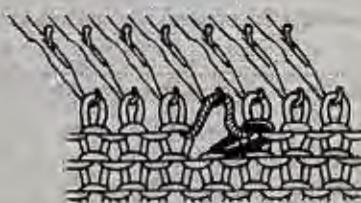
Stitches are usually transferred *before* the next row is knitted. When you commence the lace pattern, for example after knitting the ribbing, work one row of stocking stitch to give yourself a foundation row on which to work your first set of transfers. You may not need to transfer stitches on every row and this will depend on the pattern. There must always be at least one row of knitting between transfers as this is necessary to complete a row of lace knitting; two rows are quite common, but there may be

four, six or even more. A change in the number of rows of stocking stitch between transfers can sometimes result in a totally different effect, which may or may not be better than the original and you may even find you have discovered a new lace altogether!

Fig. A



Fig. 8



11



LEE BEE LIFESTYLE

SIMPLE SUNFLOWERS

A topical theme used to stunning effect on a black cotton sweater. Artful colouring makes it wildly sophisticated yet picot edging, puffed sleeves and the drawstring give a softly feminine cut.

Lavinia Lawry-Johns

Those of you that have trouble with pens which either run out or dry up, might like to try a different way of putting the pattern on to the mylar sheet. Remember, the

function of the mylar sheet is to stop light or not stop light. Therefore all that is needed is to find some way of putting a light-reflective medium on to the

sheet.

I have found a good quality Indian ink and a sable No.2 paintbrush a great standby and it makes me feel a little more in control of the amount of ink that goes on to the graph. When you have finished, hold the sheet up to the light and retouch any grey areas. Wait until the ink is dry. I have been known to run a warm flow of air over the sheet with the hair dryer when speed is of the essence but this is not to be recommended in case the air is too hot and the sheet distorts. I will stress at this stage that the ink needs to be put on the wrong side of the sheet so, if you want

the pattern to go the same way as the design, the reverse switch needs to be up. There are some machines for which this method is not suitable. Just try it out on a small area of card first.

Now the difficult bit is over, you can follow the row counter pattern for main size 36 to 40 inches (12-16). For different sizes add or subtract four stitches each side for each larger or smaller size. This is a rough guide working with standard four ply and main tension 6. The length of the garment will fit most sizes but if you wish to adjust, add or subtract ten rows per inch.

ROW COUNTER PATTERN BACK AND FRONT ALIKE

Using MC, cast on 76 sts each side of centre 0 by hand using the 'e' wrap method. 152 sts.
000 With TD (tension dial) at 6, K 12 rows.

012 Picot every alt st.
025 Pick up every alt loop from cast on edge and place on to Ns. With TD at 8, K 1 row. Reset RC at 000.

000 With TD at 6, MC in Feeder 1 (A) and Col 2 in Feeder 2 (B) for Fair Isle, program first row. (I use the lace card for Brother machines or take carriage across twice without knitting for Knit-master machines).

040 Picot every 3rd st. Reset RC at 000.

000 K 28 rows.
028 Reprogram to row 1 of pattern card.

110 Shape armholes by casting off 8 sts at beg of next 2 rows.
112 Dec 1 st at each end of every row 3 times and *at the same time*, change to Col 3 in Feeder 2 (B) when RC shows 113.

115 Dec 1 st at each end of every alt row 4 times.

123 Dec 1 st at each end of every 3rd row 3 times. 116 sts rem. Work to end of pattern.

175 With TD at 6, change to st st and MC.

192 Picot every alt st. Cont without shaping.

211 Pick up every alt loop from last row of Fair Isle and place on to Ns. With TD at 10, loosen yarn and K 1 row. Cast off with latch hook, placing marker on 35th st at each side of centre 0.

SLEEVES

Using MC, cast on 76 sts each

11 SUNFLOWER SWEATER

PATTERN RATING

**** Recommend for experts.

MACHINES

This pattern is suitable for standard gauge electronic machines with a 60 stitch repeat. No ribber is necessary.

MATERIALS

Yeoman Brittany 2 ply.

1 x 450g cone in Black (MC)

1 x 450g cone in Khaki (Col 2)

1 x 450g cone in Yellow (Col 3)

For evening wear, we suggest using Black as MC with Emerald glitter for Col 2 and Gold glitter for Col 3.

GARMENT WEIGHT

Finished garment weighs 485g.

The fibre content of this yarn is 100% Pure Cotton. For further details about local or mail order stockists, please write to Yeoman Yarns Ltd, 89 Leicester Road, Kibworth, Leicestershire LE8 0NP.

YARN THICKNESS

Using two strands together throughout, this yarn is medium weight and knits as four ply.

MEASUREMENTS

One size to fit bust 87-92 cm, 34-36 in.

Actual size 97 cm, 38 in.

Length to shoulder 62 cm, 24½ in.

Sleeve seam 21.5 cm, 8½ in.

TENSION

31 sts and 39 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial setting approximately 6).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

Use two strands of yarn together throughout.

side of centre 0 by hand using the 'e' wrap method. 152 sts.
000 With TD (tension dial) at 6, K 5 rows.

005 With TD at 6, MC in Feeder 1 (A) and Col 2 in Feeder 2 (B) for Fair Isle, program to row 45 of pattern card.

046 Change to Col 3 in Feeder 2 (B). Shape top by casting off 8 sts at beg of next 2 rows.

048 Dec 1 st at each end of every row 3 times.

051 Dec 1 st at each end of every foll alt row 24 times.

099 Dec 1 st at each end of every row 10 times and *at the same time* change to st st and MC when RC shows 108.

109 Cast off 8 sts at beg of next 4 rows. Mark centre of work and cast off rem sts.

CUFFS

(These may be any depth). Using MC, cast on 42 sts each side of centre 0 by hand using the 'e' wrap method. 84 sts.

000 With TD (tension dial) at 6, cont without shaping.

050 Picot every alt st.

101 With TD at 10, loosen yarn and K 1 row. Cast off with latch hook.

TIE

Using Col 2, cast on 4 sts by hand using the 'e' wrap method at a suitable place on machine to trip the row counter easily.

000 With TD (tension dial) at 6, K 50 rows.

050 Using Col 3, K 12 rows.

062 Using Col 2, K 50 rows.

112 Using Col 3, K 12 rows.

124 Using Col 2, K until RC shows 420. Cast off.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone or ball band.

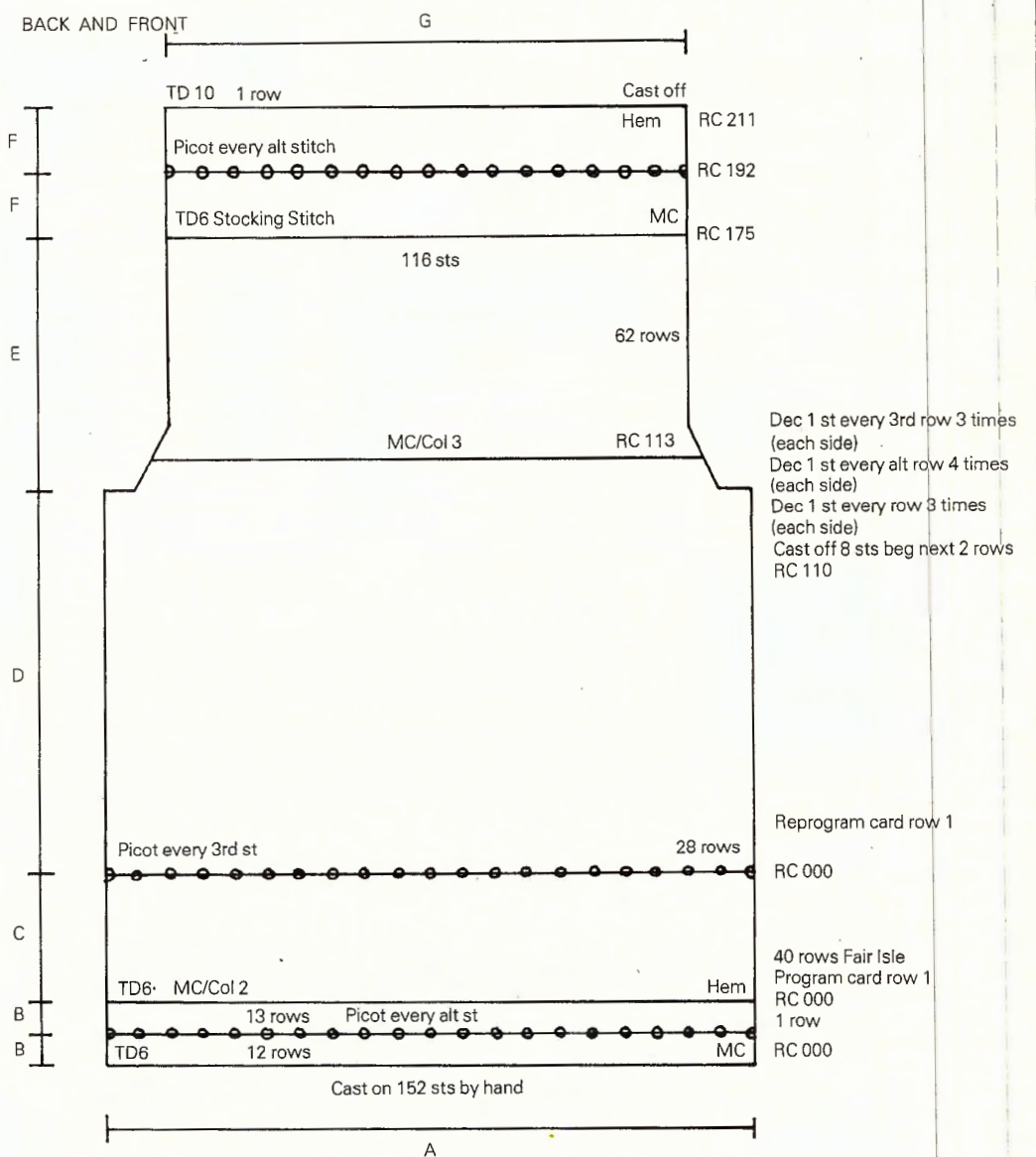
MAKING UP

Working from marker on 35th st to armhole edge, graft shoulder seams matching picot edge and keeping work as flat as possible.

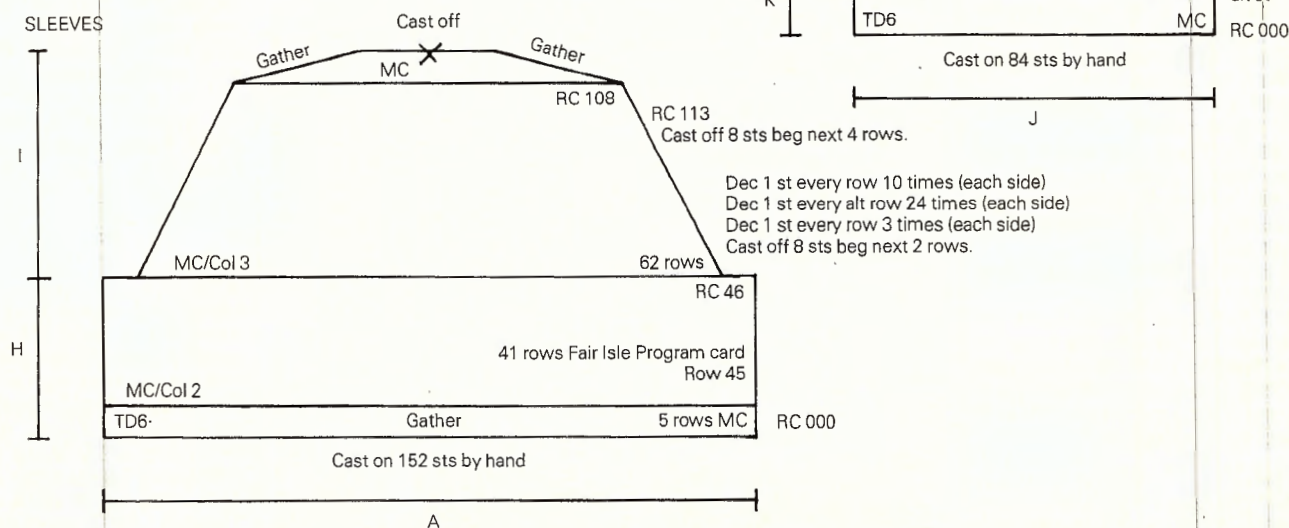
Gather lower edge of sleeves and sew cast off edge of cuff into position. Fold cuff in half to inside along picot edge and slip stitch neatly in position. Set in sleeves, gathering across shoulder to fit.

Join side and sleeve seams. Neaten ends of tie and thread through row of holes on back and front. Tie knots at contrast points on tie then give final light press.

- A = 49 cm
B = 3 cm
C = 10.5 cm
D = 28 cm
E = 16.5 cm
F = 4 cm
G = 37 cm
H = 11.5 cm
I = 17 cm
J = 27 cm
K = 10 cm



SLEEVES



LEEBEE lifestyles

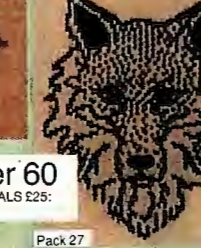
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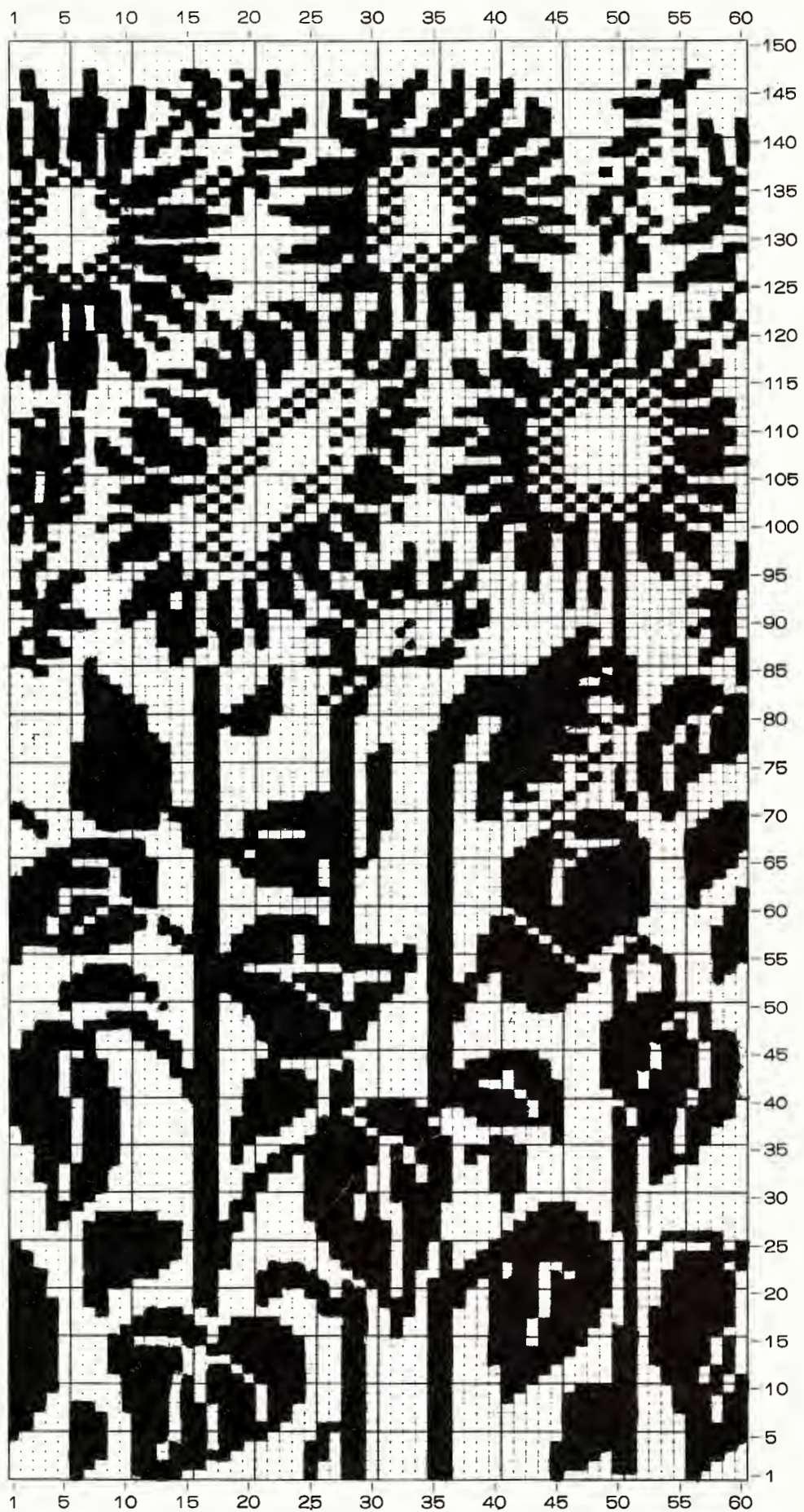
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RIS BISHOP SPECIAL

As the month of August falls in the school holiday period, I thought it might be appropriate to create some designs with the 'younger' population in mind. The 'stunt cyclist' design can be used as a border design, or as a single motif and the 'abstract design' is a simple all-over Fair Isle pattern, useful for those children who do not like or have 'outgrown' pictorial themes. Both designs have short 'floats' on the back of the fabric so they are practical for everyday wear.

Stunt cyclist

If you are using the design as a repeating 'border' pattern, punch out (or draw) 'holes' and 'X's shown on the punchcard and electronic graphs.

If you are using the design as a 'single motif', punch or draw the 'holes' only, leaving the 'X's blank, as these serve to cut down the 'floats' when design is repeated, and so are not necessary for a single motif.

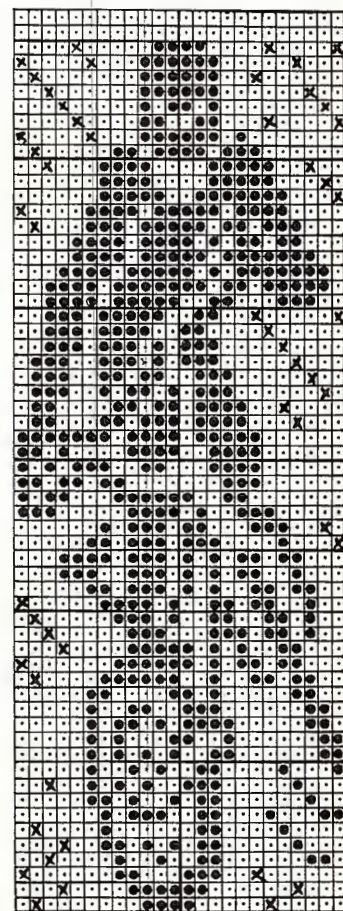
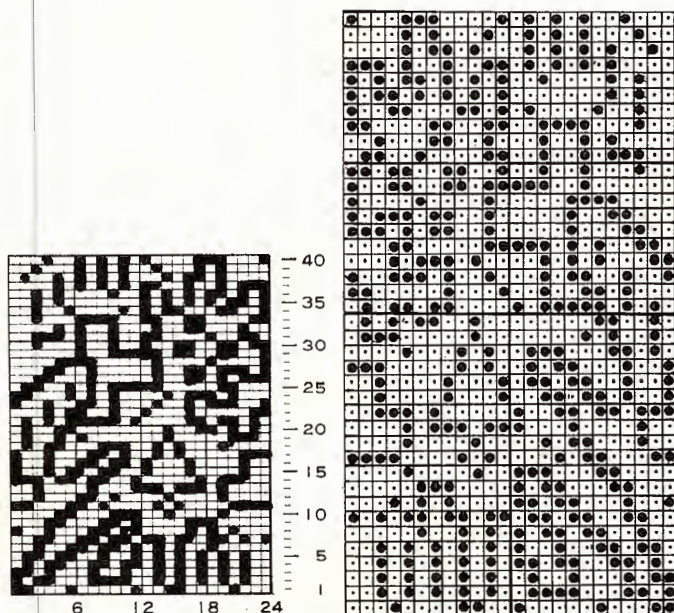
To knit the border design as illustrated, knit welts etc in black, navy or other dark colour. Knit 2 rows plain white. Then knit card in Fair Isle (58 rows) with white in feeder 1 and black (or other dark colour) in feeder 2.

Knit 4 rows plain white. Continue in plain dark colour.

Abstract design

Use card as a straightforward Fair Isle design.

In the sample illustrated, white has been used in feeder 1 and black in feeder 2, which gives a 'graffiti' look, but any strong contrasting colours can be used.





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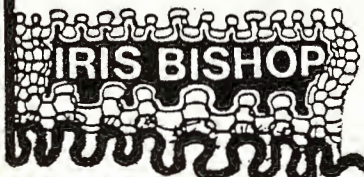


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U.S.A.: The Knitting Machine Centre, P.O. Box 150145, Cincinnati, Ohio 45215.

12 CHILD'S RAGLAN SWEATER WITH ROUND NECK

PATTERN RATING

* Easy to knit.

MACHINES

This pattern is suitable for standard gauge machines with or without a ribber.

MATERIALS

Denys Brunton De-Lux 4-ply.

1 [1, 1, 1, 1, 1] x 400g cone in Grey (MY).

A small amount of contrast for stripes if required.

GARMENT WEIGHT

Finished garment in third size weighs 155g.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to Denys Brunton Designer Yarns, Moorland Mills, Law Street, Bradford Road, Cleckheaton, West Yorkshire BD19 3QR.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

To fit chest 56 [61, 66, 71, 76, 82] cm, 22 [24, 26, 28, 30, 32] in. Actual size 65 [70, 75, 80, 85, 90] cm, 25½ [27½, 29½, 31½, 33½] in.

Length to back neck 36 [41, 46, 51, 56, 57] cm, 14¼ [16, 18, 20, 22, 22½] in.

Sleeve seam 24 [28, 33, 38, 43, 43] cm, 9½ [11, 13, 15, 17, 17] in.

Instructions are written for the smallest size; larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

28 stitches and 40 rows to 10 cm, 4 in measured over stocking stitch (tension dial setting approximately 7).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used knit side of knitting as right side of garment. No instructions are given for stripes. Add them as and where required in the appropriate colour/s.

BACK

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 94 [100, 108, 114, 122, 128] sts in 1x1 rib. *K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 28 rows. Transfer sts for st st *.

MACHINES WITHOUT RIBBER

Push 92 [98, 107, 113, 122, 128] Ns to WP. *Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows, ending with carriage at left. Set RC at 000. Using MT-2 and MY, K 55 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MY evenly along the row. Unravel WY when work is completed *. Inc 2 [2, 1, 1, 0, 0] sts. 94 [100, 108, 114, 122, 128] sts.

ALL MACHINES

Set RC at 000. Using MT, K 60 [76, 92, 108, 120, 120] rows. Work measures 21 [25, 29, 33, 36, 36] cm, 8¼ [9¼, 11½, 13, 14¼, 14¼] in.

SHAPE RAGLAN ARMHOLES

Cast off 5 sts at beg of next 2 rows **. Dec 1 st (3 sts in) at each end of every 4th row until 80 [86, 96, 102, 108, 114] sts rem, then on every foll alt row until 30 [32, 34, 36, 38, 40] sts rem. Using WY, K a few rows and release from machine.

FRONT

Work as for back to *. Dec 1 st (3 sts in) at each end of every 4th row until 80 [86, 96, 102, 108, 114] sts rem, then on every foll alt row until 42 [44, 50, 52, 58, 60] sts rem.

SHAPE NECK

Using nylon cord, K 26 [28, 30, 32, 35, 37] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st (2 sts in)

at neck edge on every row and, at the same time, cont to dec at raglan edge on every alt row from previous dec, until 4 [4, 5, 5, 7, 7] sts rem. Cont to dec at raglan edge only on every alt row from previous dec, until 2 sts rem. Cast off. With carriage at right, unravel nylon cord over 10 [12, 10, 12, 12, 14] Ns at right, bringing Ns back to WP. Using WY, K a few rows and release from machine. With carriage at left, unravel nylon cord over rem Ns, bringing Ns back to WP. Finish to correspond with first side, reversing shapings.

SLEEVES

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for

1x1 rib. Using MY, cast on 42 [44, 48, 50, 52, 54] sts in 1x1 rib. Work as for back from * to *.

MACHINES WITHOUT RIBBER

Push 41 [44, 47, 50, 50, 53] Ns to WP. Work as for back from * to *. Inc 1 [0, 1, 0, 2, 1] sts. 42 [44, 48, 50, 52, 54] sts.

ALL MACHINES

Set RC at 000. Using MT, shape sides by Inc 1 st (2 sts in) at each end of every 5th [5th, 6th, 7th, 8th, 7th] row until there are 70 [74, 80, 84, 88, 92] sts. K 2 [13, 12, 9, 4, 15] rows. RC shows 72 [88, 108, 128, 148, 148] and work measures 24 [28, 33, 38, 43, 43] cm, 9½ [11, 13, 15, 17, 17] in.

SHAPE RAGLAN TOP

Cast off 5 sts at beg of next 2 rows. Dec 1 st (3 sts in) at each end of every 4th row until 50 [54, 62, 66, 66, 70] sts rem, then on every foll alt row until 12 sts rem.

Using WY, K a few rows and release from machine.

NECKBAND

Join raglan seams, leaving left back raglan open. Push 86 [92, 98, 104, 110, 116] Ns to WP. With K side facing, pick up 12 sts across top and sleeve, 11 [12, 15, 16, 18, 19] sts down left side of neck, 10 [12, 10, 12, 12, 14] sts across front neck, 11 [12, 15, 16, 18, 19] sts up right side of neck, 12 sts across top of sleeve and 30 [32, 34, 36, 38, 40] sts across back neck and place on to Ns. Unravel WY. Set RC at 000. Using MT and MY, K 1 row.

MACHINES WITH RIBBER

With ribber in position, set machine for 1x1 rib. Transfer sts for 1x1 rib. Cont in 1x1 rib. Using MT-6/MT-6, K 24 rows. Transfer sts for st st. Using MT, K 2 rows. Using WY, K a few rows and release from machine.

MACHINES WITHOUT RIBBER

Transfer every 3rd st on to adjacent N and push empty Ns to NWP. Using MT-1, K 5 rows. Using MT-2, K 15 rows. Using MT-1, K 4 rows. Push Ns from NWP to WP and place loop from row below adjacent st on to empty N. Using MT, K 2 rows. Using WY, K a few rows and release from machine.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join remaining raglan, neckband, side and sleeve seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MY.

12/13



13 HATS, MITTENS AND SCARVES FOR THE FAMILY

PATTERN RATING

* Easy to knit.

MACHINES

This pattern is suitable for standard gauge machines with or without a ribber.

MATERIALS

Denys Brunton De-Lux 4-ply.
200 [230, 260, 290, 320] g.

Note that this is the total weight of yarn required for each set, including pompon on hat and fringe on scarf.
If working stripes (see Knitting Notes) allow appropriate quantities of each colour.

Safety pin for mittens.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to Denys Brunton Designer Yarns, Moorland Mills, Law Street, Bradford Road, Cleckheaton, West Yorkshire BD19 3QR.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

HAT

Around head 43.5 [47, 50.5, 54, 57.5] cm, 17¼ [18½, 20, 21¼, 22¾] in.

Depth 24 [26, 27, 29, 30] cm, 9½ [10¼, 10¾, 11½, 11¾] in.

MITTENS

Around hand 15 [16.25, 18.5, 19.75, 22] cm, 6 [6½, 7¼, 7¾, 8¾] in.

Length 14 [17, 21, 24, 27] cm, 5½ [6¾, 8¼, 9½, 10¾] in.

SCARF

Length 122 [122, 152, 152, 183] cm, 48 [48, 60, 60, 72] in.

Width 10 [10, 13, 13, 15.75] cm, 4 [4, 5, 5, 6¼] in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

28 stitches and 40 rows to 10 cm, 4 in measured over stocking stitch (tension dial setting approximately 7).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used knit side of knitting as right side of garments. As this is such a universal pattern, we have added adult sizes. No instructions are given for stripes. Add these as and where required in the appropriate colours.

Transfer sts from st st.

MACHINES WITHOUT RIBBER

Push 41 [44, 50, 56, 62] Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using MT-2 and MY, K 37 [37, 45, 45, 55] rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MY evenly along the row. Unravel WY when work is completed. Inc 1 [2, 2, 0, 0] sts. 42 [46, 52, 56, 62] sts.

ALL MACHINES

Set RC at 000. Using MT, K 1 row. (K 1 row extra for left mitten.) Slip 4 sts at left (right on left mitten)

on to a safety pin. 38 [42, 48, 52, 58] sts. K 17 [21, 25, 29, 33] rows. Cast on 2 sts at beg of next 2 rows. 42 [46, 52, 56, 62] sts. K 14 [21, 28, 35, 38] rows.

SHAPE TOP

* Counting from each side of centre, transfer 2nd st on to first N, move end sts 1 N in, then counting from each end, transfer 3rd st on to 2nd N and move end sts in to fill empty N. K 1 row. (4 sts have been dec and 1 row worked.) Rep from * 5 [6, 7, 8, 9] times more. 18 [18, 20, 20, 22] sts. Cast off.

THUMB

Push 4 Ns to WP. With P side

facing, replace sts from safety pin on to Ns. Set RC at 000. Using MT and MY, K 2 rows. Inc 1 st (1 st in) at each end of next and every foll 4th row until there are 12 [14, 16, 18, 20] sts. K 1 row. Dec 1 st at each end of next row, K 1 row. Cast on 2 sts at beg of next 2 rows. 14 [16, 18, 20, 22] sts. K 13 [15, 17, 21, 25] rows. Using WY, K a few rows and release from machine. Push 7 [8, 9, 10, 11] Ns to WP. With P side facing, replace sts from last row worked in MY on to Ns, placing 2 sts tog on to each N. Unravel WY. K 1 row. Break off yarn, leaving a long end. Using WY, K a few rows and release from machine.

LEFT MITTEN

Work at for right mitten reversing shapings by noting alteration in number of rows worked.

MAKING UP

Thread long end of yarn through thumb sts and draw up tightly. Fasten off securely. Join thumb seams. Join side and top seams. Set in thumbs.

SCARF

Using MY, cast on 57 [57, 73, 73, 89] sts by hand. Set RC at 000. Using MT, K 488 [488, 608, 608, 732] rows. Work measures 122 [122, 152, 152, 183] cm, 48 [48, 60, 60, 72] in. Cast off.

MAKING UP

Fold in half lengthways. Join long seam and both ends. Cut MY into 32 cm lengths, then taking 8 strands tog each time, knot a fringe along both short ends. Trim fringe.

HAT

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 122 [132, 142, 152, 162] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 46 [50, 50, 54, 54] rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER

Push 122 [131, 140, 152, 161] Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-2 and MY, K 91 [99, 99, 109, 109] rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MY evenly along the row. Unravel WY when work is completed. Inc 0 [1, 2, 0, 1] sts. 122 [132, 142, 152, 162] sts.

ALL MACHINES

Set RC at 000. Using MT, K 56 [60, 64, 68, 72] rows. Work measures 24 [26, 27, 29, 30] cm, 9½ [10¼, 10¾, 11½, 11¾] in. Break off yarn leaving a long end. Using WY, K a few rows and release from machine.

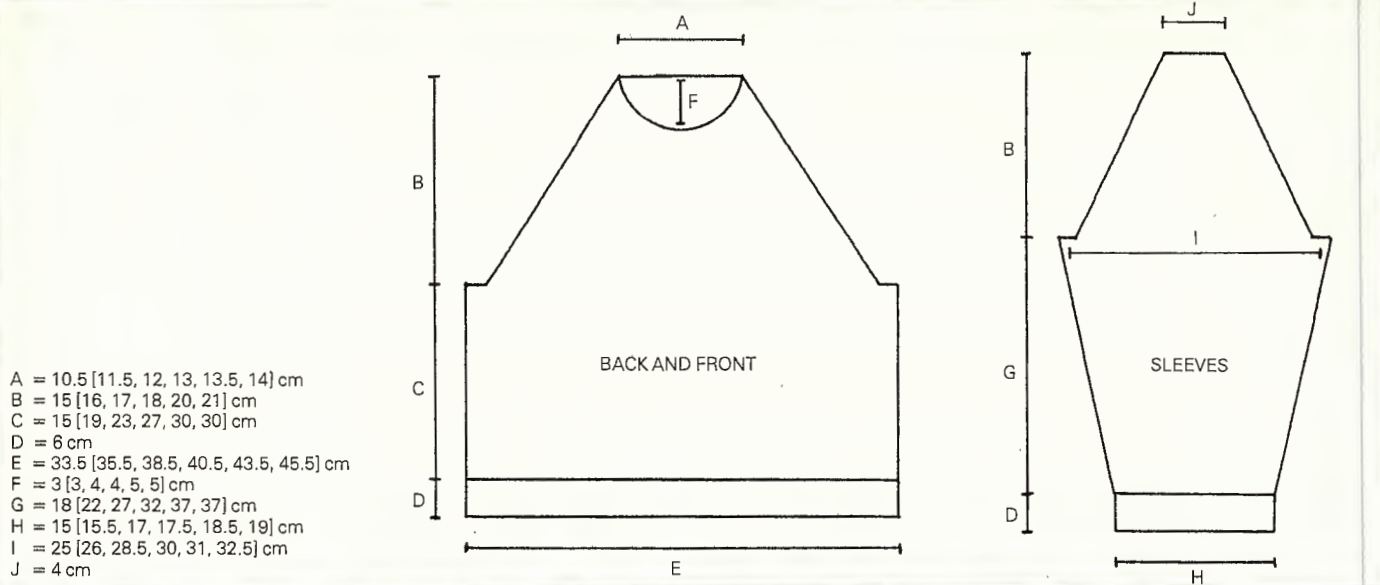
MAKING UP

Thread long end of yarn through all sts and draw up tightly. Fasten off securely. Join seams. Make pompon and sew to top.

RIGHT MITTEN

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 42 [46, 52, 56, 62] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 19 [19, 23, 23, 27] rows.



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BACK

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Push 41 [45, 49, 52, 56] Ns at left and 42 [46, 50, 53, 57] Ns at right of centre 0 to WP. 83 [91, 99, 105, 113] Ns. Push corresponding Ns on ribber to WP. Arrange Ns for 1x1 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-3/MT-3, K 24 rows. Transfer sts for st st.

MACHINES WITHOUT RIBBER

Push 41 [44, 49, 52, 56] Ns at left and 42 [45, 49, 52, 57] Ns at right of centre 0 to WP. 83 [89, 98, 104, 113] Ns. * Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-2 and MC, K 45 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed *.

2ND SIZE

Inc 1 st at each end.

3RD AND 4TH SIZES

Inc 1 st at right edge.

ALL SIZES

83 [91, 99, 105, 113] sts.

ALL MACHINES

Insert punchcard and lock on first row. Set carriage for patt. Set RC at 000. Using MT, K 1 [2, 1, 2, 1] rows. Release card and cont in Fair Isle patt with MC in feeder 1/A and C in feeder 2/B. K 31 [40, 49, 60, 69] rows. RC shows 32 [42, 50, 62, 70] and work measures 14.5 [17.5, 20, 23, 25.5] cm, 5 3/4 [7, 8, 9, 10] in. Place marker at each end **. K 44 [48, 52, 54, 58] rows. RC shows 76 [90, 102, 116, 128] and work

14 CHILD'S FAIR ISLE SWEATER

PATTERN RATING

** Fairly easy for knitters with some experience

MACHINES

This pattern is suitable for standard gauge punchcard machines with or without a ribber.

MATERIALS

Amber Academy.

1 [1, 1, 1, 1] x 400g cone in Red (MC)

1 [1, 1, 1, 1] x 400g cone in White (C)

GARMENT WEIGHT

Finished garment in third size weighs 145g

The fibre content of this yarn is 100% Courtele. For further information about this yarn, please write to Amberyarn, Dock Mills, Dockfield Terrace, Shipley, West Yorkshire BD17 7AW.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

To fit chest 51 [56, 61, 66, 71] cm, 20 [22, 24, 26, 28] in.

Actual size 56 [61, 67, 71, 76] cm, 22 [24, 26 1/2, 28, 30] in.

Length to shoulder 27.5 [31.5, 35, 39, 42.5] cm, 10 3/4 [12 1/2, 13 3/4, 15 1/2, 16 3/4] in.

Sleeve seam 24 [28, 32, 35.5, 39.5] cm, 9 1/2 [11, 12 1/2, 14, 15 1/2] in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

29 stitches and 34 rows to 10 cm, 4 in measured over Fair Isle pattern (tension dial setting approximately 8).

For perfect results, please check your tension carefully.

KNITTING NOTES

We used knit side of knitting as right side of garment. Punch card, as shown, before starting to knit. We used card 134 from The Harmony Guide to Machine Knitting Stitches and reproduce the card courtesy of Lyric Books Ltd.

measures 27.5 [31.5, 35, 39, 42.5] cm, 10 3/4 [12 1/2, 13 3/4, 15 1/2, 16 3/4] in.

SHAPE SHOULDERS

Cast off 14 [15, 17, 18, 19] sts at beg of next 2 rows and 13 [15, 16, 17, 19] sts at beg of foll 2 rows. Cast off rem 29 [31, 33, 35, 37] sts.

FRONT

Work as for back to **. K 30 [34, 38, 36, 40] rows. 14 [14, 14, 18, 18] rows less have been worked to shoulder than on back.

SHAPE NECK

Note patt row on card. Using a length of MC, cast off centre 15 [17, 19, 19, 21] sts. Using nylon cord, K 34 [37, 40, 43, 46] sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Dec 1 st at neck edge on every row until 27 [30, 33, 35, 38] sts rem. K 6 [6, 6, 9, 9] rows.

SHAPE SHOULDER

Cast off 14 [15, 17, 18, 19] sts at beg of next row, K 1 row. Cast off rem 13 [15, 16, 17, 19] sts. With carriage at right, unravel nylon cord over rem Ns bringing Ns back to WP. Lock card on number

previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle, K 1 row. Dec 1 st at neck edge on every row until 27 [30, 33, 35, 38] sts rem. K 0 [0, 0, 3, 3] rows.

SHAPE SHOULDER

Cast off 14 [15, 17, 18, 19] sts at beg of next row. K 1 row. Cast off rem 13 [15, 16, 17, 19] sts.

SLEEVES

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MC, cast on 41 [45, 47, 51, 53] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-3/MT-3, K 24 rows. Transfer sts for st st. K 1 row. Using WY, K a few rows and release from machine.

MACHINES WITHOUT RIBBER

Push 41 [44, 47, 50, 53] Ns to WP.

Work as for back from * to *.

2ND AND 4TH SIZES

Inc 1 st.

ALL SIZES

41 [45, 47, 51, 53] sts. K 1 row. Using WY, K a few rows and release from machine.

ALL MACHINES

Push 28 [29, 30, 31, 32] Ns at left and 29 [30, 31, 32, 33] Ns at right of centre 0 to WP. 57 [59, 61, 63, 65] Ns. With carriage at left, replace sts on to Ns inc 16 [14, 14, 12, 12] sts evenly. Insert punchcard and lock on first row. Set carriage for patt. Set RC at 000. Using MT and MC, K 1 row. Release card and cont in Fair Isle patt with MC in feeder 1/A and C in feeder 2/B. Shape sides by inc 1 st at each end of 9th [7th, 9th, 9th, 9th] and every foll 6th row, until there are 75 [81, 87, 93, 99] sts. K 8 [11, 10, 11, 12] rows. RC shows 66 [79, 92, 105, 118] and work measures 24 [28, 32, 35.5, 39.5] cm, 9 1/2 [11, 12 1/2, 14, 15 1/2] in. Cast off.

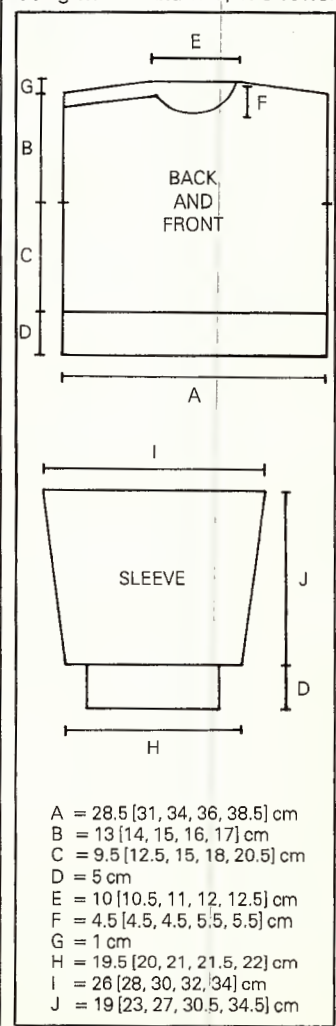
NECKBAND

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MC, cast on 97 [101, 105, 109, 113] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-3/MT-3, K 20 rows. Transfer sts for st st. K 1 row. Using WY, K a few rows and release from machine.

MACHINES WITHOUT RIBBER

Push 98 [101, 104, 107, 110] Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-5 and MC, K 5 rows.



14/15



Using MT-2, K 9 rows. Using MT-1, K 5 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed, K 1 row. Using WY, K a few rows and release from machine.

BUTTONHOLE BAND

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MC, cast on 33 [37, 41, 45, 49] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-3/MT-3, K 5 rows. Make 3 buttonholes by transferring the 4th [4th, 4th, 4th, 4th], 17th [19th, 21st, 23rd, 25th] and 30th [34th, 38th, 42nd, 46th] sts on to adjacent Ns. Leave empty Ns in WP. K 5 rows. Transfer sts for st st, K 1 row. Using WY, K a few rows and release from machine.

MACHINES WITHOUT RIBBER

Push 35 [38, 41, 44, 47] Ns to WP. Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-2 and MC, K 4 rows. Make 3 buttonholes by transferring the 4th [4th, 5th, 5th, 5th], 18th [19th, 21st, 22nd, 24th] and 32nd [34th, 37th, 39th, 43rd] sts on to adjacent Ns. Leave empty Ns in WP. K 9 rows. Make buttonholes over same Ns as before. K 4 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MC evenly along the row. Unravel WY when work is completed. K 1 row. Using WY, K a few rows and release from machine.

BUTTONBAND

Work as for buttonhole band, omitting buttonholes.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join right shoulder seam. Pin neckband in position. Unravelling WY as required, backstitch through open loops of last row worked in MC.

MACHINES WITH RIBBER

Fold neckband in half to wrong side and slip-hem loosely in position.

ALL MACHINES

Pin buttonband to back left shoulder and buttonhole band to front left shoulder. Unravelling WY as required, backstitch through open loops of last row worked in MC. Place buttonhole band over buttonband and catch down at armhole edge. Set in sleeves between markers. Join side and sleeve seams. Sew on buttons.

MACHINES WITHOUT RIBBER

Finish buttonholes.

15 CHILD'S RAGLAN CARDIGAN WITH ROUND NECK

PATTERN RATING

* Easy to knit.

MACHINES

This pattern is suitable for standard gauge machines with or without a ribber.

MATERIALS

Bramwell Fine 4-ply.

1 [1, 1, 1, 1, 1] x 500g cone in Navy (MY).

A small amount of contrast colour for stripes if required.

9 buttons

GARMENT WEIGHT

Finished garment in fourth size weighs 195g.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to F. W. Bramwell & Co. Ltd., Unit 5, Metcalf Drive, Altham Lane, Accrington BB5 5TU.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

To fit chest 56 [61, 66, 71, 76, 82] cm, 22 [24, 26, 28, 30, 32] in. Actual size 65 [70, 75, 80, 85, 90] cm, 25½ [27½, 29½, 31½, 33½, 35½] in.

Length to back neck 36 [41, 46, 51, 56, 57] cm, 14¼ [16, 18, 20, 22, 22½] in.

Sleeve seam 24 [28, 33, 38, 43, 43] cm, 9½ [11, 13, 15, 17, 17] in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

28 stitches and 40 rows to 10 cm, 4 in measured over stocking stitch (tension dial setting approximately 7)

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used knit side of knitting as right side of garment.

Count Ns in NWP as sts throughout.

No instructions are given for stripes. Add these as and where required in the appropriate colour/s.

BACK

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 94 [100, 108, 114, 122, 128] sts in 1x1 rib. *K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 28 rows. Transfer sts for st st *

MACHINES WITHOUT RIBBER

Push 92 [98, 107, 113, 122, 128] Ns to WP. * Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows, ending with carriage at left. Set RC at 000. Using MT-2 and MY, K 55 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MY evenly along the row. Unravel WY when work is completed *. Inc 2 [2, 1, 1, 0, 0, 1] sts. 94 [100, 108, 114, 122, 128] sts.

ALL MACHINES

Set RC at 000. Using MT, K 60 [76, 92, 108, 120, 120] rows. Work measures 21 [25, 29, 33, 36, 36] cm, 8¼ [9¾, 11½, 13, 14¼, 14¼] in.

SHAPE RAGLAN ARMHOLES

Cast off 5 sts at beg of next 2 rows. Dec 1 st (3 sts in) at each end of every 4th row, until 80 [86, 96, 102, 108, 114] sts rem, then on every foll alt row until 30 [32, 34, 36, 38, 40] sts rem. Using WY, K a few rows and release from machine.

RIGHT FRONT

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 44 [47, 51, 54, 58, 61] sts in 1x1 rib. Work as for back from * to *.

MACHINES WITHOUT RIBBER

Push 44 [47, 50, 53, 56, 59] Ns to WP. Work as for back from * to *.

Inc 0 [0, 1, 1, 2, 2] sts. 44 [47, 51, 54, 58, 61] sts.

ALL MACHINES

Set RC at 000. Using MT, K 60 [76, 92, 108, 120, 120] rows. K 1 row extra for left front.

SHAPE RAGLAN ARMHOLE

Cast off 5 sts at beg of next row. K 1 row. Dec 1 st (3 sts in) at raglan edge of every 4th row until 37 [40, 45, 48, 51, 54] sts rem, then on every foll alt row until 19 [20, 23, 24, 27, 28] sts rem. K 1 row.

SHAPE NECK

Cont to dec at raglan edge on every alt row from previous dec and, *at the same time*, cast off 2 [3, 2, 3, 3, 4] sts at beg of next row. Dec 1 st (2 sts in) at neck edge on every row until 4 [4, 5, 5, 7, 7] sts rem. Cont to dec at raglan edge only on every alt row from previous dec until 2 sts rem. Cast off.

LEFT FRONT

Work as for right front reversing shapings by noting alteration in number of rows worked.

SLEEVES

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 42 [44, 48, 50, 52, 54] sts in 1x1 rib. Work as for back from * to *

MACHINES WITHOUT RIBBER

Push 41 [44, 47, 50, 50, 53] Ns to WP. Work as for back from * to *. Inc 1 [0, 1, 0, 2, 1] sts. 42 [44, 48, 50, 52, 54] sts.

ALL MACHINES

Set RC at 000. Using MT, shape sides by inc 1 st (2 sts in) at each end of every 5th [5th, 6th, 7th, 8th, 7th] row until there are 70 [74, 80, 84, 88, 92] sts. K 2 [13, 12, 9, 4, 15] rows. RC shows 72 [88, 108, 128, 148, 148] and work measures 24 [28, 33, 38, 43, 43] cm, 9½ [11, 13, 15, 17, 17] in.

SHAPE RAGLAN TOP

Cast off 5 sts at beg of next 2 rows. Dec 1 st (3 sts in) at each end of every 4th row until 50 [54, 62, 66, 66, 70] sts rem, then on every foll alt row until 12 sts rem. Using WY, K a few rows and release from machine **.

NECKBAND OR COLLAR

Join raglan seams.

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib.

NECKBAND

Using MY, cast on 80 [86, 92, 98, 104, 110] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 27 rows. Transfer sts for st st.

COLLAR

Using MY, cast on 92 [98, 104,

112, 118, 124] sts in 1×1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 4 rows. Dec 1 st at each end of next and every foll 6th row until 80 [86, 92, 98, 104, 110] sts rem. K 13 rows. Transfer sts for st st.

NECKBAND OR COLLAR

With P side facing, pick up 13 [15, 17, 19, 21, 23] sts up left side of neck, 12 sts across top of sleeve, 30 [32, 34, 36, 38, 40] sts across back neck, 12 sts across top of sleeve and 13 [15, 17, 19, 21, 23] sts down right side of neck and

place on to Ns, unravelling WY. Using MT, K 1 row. Cast off.

MACHINES WITHOUT RIBBER

Push 80 [86, 92, 98, 104, 110] Ns to WP. With K side facing, pick up 13 [15, 17, 19, 21, 23] sts up right side of neck, 12 sts across top of sleeve, 30 [32, 34, 36, 38, 40] sts across back neck, 12 sts across top of sleeve and 13 [15, 17, 19, 21, 23] sts down left side of neck and place on to Ns. Unravel WY

NECKBAND

Set RC at 000. Using MT and MY, K 1 row. Transfer every 3rd st on to adjacent N and push empty Ns

to NWP. Using MT-1, K 5 rows. Using MT-2, K 15 rows. Using MT-1, K 4 rows. Push Ns from NWP to WP and place loop from row below adjacent st on to empty N. Using MT, K 2 rows. Using WY, K a few rows and release from machine.

COLLAR

Set RC at 000. Using MT and MY, K 1 row. Transfer every 3rd st on to adjacent N and push empty Ns to NWP. Using MT-1, K 12 rows. Inc 1 st (2 st in) at each end of next and every foll 6th row until there are 92 [98, 104, 112, 118, 124] sts, K 7 rows. Dec 1 st (2 sts in) at each end of next and every foll 6th row until 80 [86, 92, 98, 104, 110] sts rem. K 11 rows. Push Ns from NWP to WP and place loop from row below adjacent st on to empty N. Using MT, K 2 rows. Using WY, K a few rows and release from machine.

BUTTONHOLE BAND

Using MY, cast on 17 sts by hand. Set RC at 000. Using MT-1, K 4 [6, 6, 4, 5, 7] rows. * Counting from each end, make buttonholes over 4th, 5th and 6th sts. K 15 [17, 19, 22, 23, 23] rows; rep from * 7 times more. Make buttonholes over same sts as before (9 sets of buttonholes). K 4 [6, 6, 4, 5, 7]

rows. Cast off.

BUTTON BAND

Work as for buttonhole band, omitting buttonholes.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully, following instructions on cone band.

MAKING UP

Join side and sleeve seams.

MACHINES WITH RIBBER

Fold neckband in half to inside and catch down.

MACHINES WITHOUT RIBBER

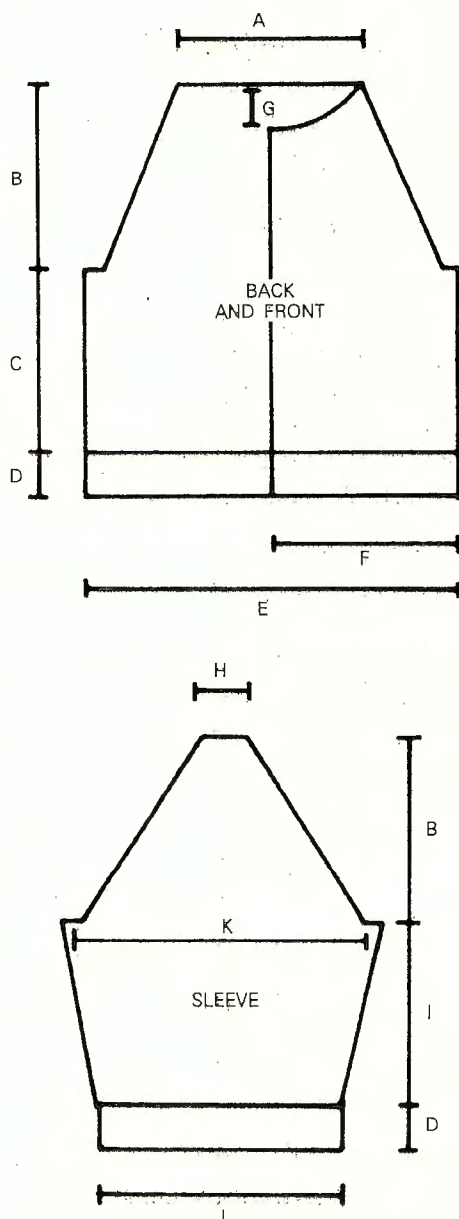
Fold neckband or collar in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MY.

ALL MACHINES

Fold front bands in half lengthways. Neaten short ends, then sew in position with buttonholes on right front for a girl or left front for a boy, taking bands 3 cm into collar if knitted. Finish buttonholes and sew on buttons.

MACHINES WITHOUT RIBBER

Neaten ends of collar.



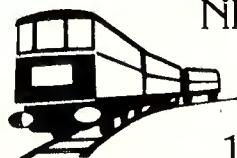
- A = 10.5 [11.5, 12, 13, 13.5, 14] cm
 B = 15 [16, 17, 18, 20, 21] cm
 C = 15 [19, 23, 27, 30, 30] cm
 D = 6 cm
 E = 33.5 [35.5, 38.5, 40.5, 43.5, 45.5] cm
 F = 15.5 [16.5, 18, 19, 20.5, 21.5] cm
 G = 3 [3, 4, 4, 5, 5] cm
 H = 4 cm
 I = 18 [22, 27, 32, 37, 37] cm
 J = 15 [15.5, 17, 17.5, 18.5, 19] cm
 K = 25 [26, 28.5, 30, 31, 32.5] cm

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16 CHILD'S RAGLAN SWEATER WITH V NECK

PATTERN RATING

* Easy to knit.

MACHINES

This pattern is suitable for standard gauge machines with or without a ribber.

MATERIALS

Bramwell Fine 4-ply.

1 [1, 1, 1, 1, 1] × 500g cone in Brown (MY).

A small amount of contrast colour for stripes if required.

GARMENT WEIGHT

Finished garment in third size weighs 150g.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to F. W. Bramwell & Co. Ltd., Unit 5, Metcalf Drive, Altham Lane, Altham, Accrington BB5 5TU.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

To fit chest 56 [61, 66, 71, 76, 82] cm, 22 [24, 26, 28, 30, 32] in.
Actual size 65 [70, 75, 80, 85, 90] cm, 25½ [27½, 29½, 31½, 33½, 35½] in.

Length to back neck 36 [41, 46, 51, 56, 57] cm, 14¼ [16, 18, 20, 22, 22½] in.

Sleeve seam 24 [28, 33, 38, 43, 43] cm, 9½ [11, 13, 15, 17, 17] in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

28 stitches and 40 rows to 10 cm, 4 in measured over stocking stitch (tension dial setting approximately 7).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used knit side of knitting as right side of garment. Count Ns in NWP as sts throughout. No instructions are given for stripes. Add them as and where required in the appropriate colour/s.

BACK

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1×1 rib. Using MY, cast on 94 [100, 108, 114, 122, 128] sts in 1×1 rib. * K 5 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 28 rows. Transfer sts for st st *

MACHINES WITHOUT RIBBER

Push 92 [98, 107, 113, 122, 128] Ns to WP. * Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows, ending with carriage at left. Set RC at 000. Using MT-2 and MY, K 55 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MY, evenly along the row. Unravel WY when work is completed *. Inc 2 [2, 1, 1, 0, 0] sts. 94 [100, 108, 114, 122, 128] sts.

ALL MACHINES

Set RC at 000. Using MT, K 60 [76, 92, 108, 120, 120] rows. Work measures 21 [25, 29, 33, 36, 36] cm, 8¼ [9¼, 11½, 13, 14¼, 14¼] in **.

SHAPE RAGLAN ARMHOLES

Cast off 5 sts at beg of next 2 rows. Dec 1 st [3 sts in] at each end of every 4th row, until 80 [86, 96, 102, 108, 114] sts rem, then on every foll alt row until 30 [32, 34, 36, 38, 40] sts rem. Using WY, K a few rows and release from machine.

FRONT

Work as for back to **.

SHAPE RAGLAN ARMHOLES AND NECK

Using nylon cord, K 47 [50, 54, 57, 61, 64] sts at left by hand, taking Ns down to NWP. Cont on rem sts for first side. Dec 1 st [2 sts in]

at neck edge of next and every foll 4th row and, at the same time, cast off 5 sts at beg of next row. K 1 row. Dec 1 st [3 sts in] at raglan edge of every 4th row until 37 [40, 46, 49, 51, 54] sts rem, then on every foll alt row until 8 [8, 8, 8, 10, 10] sts rem. Cont to dec at raglan edge only on every alt row from previous dec until 2 sts rem. Cast off. With carriage at left, unravel nylon cord over rem Ns, bringing Ns back to WP. Finish to correspond with first side, reversing shapings.

SLEEVES

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1×1 rib. Using MY, cast on 42 [44, 48, 50, 52, 54] sts in 1×1 rib. Work as for back from * to *.

MACHINES WITHOUT RIBBER

Push 41 [44, 47, 50, 50, 53] Ns to WP. Work as for back from * to *.

Inc 1 [0, 1, 0, 2, 1] sts. 42 [44, 48, 50, 52, 54] sts.

ALL MACHINES

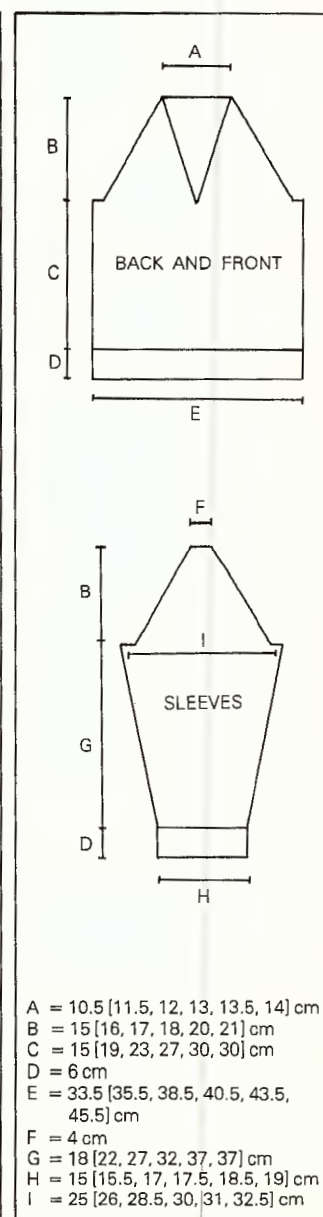
Set RC at 000. Using MT, shape sides by inc 1 st [2 sts in] at each end of every 5th [5th, 6th, 7th, 8th, 7th] row until there are 70 [74, 80, 84, 88, 92] sts. K 2 [13, 12, 9, 4, 15] rows. RC shows 72 [88, 108, 128, 145, 148] and work measures 24 [28, 33, 38, 43, 43] cm, 9½ [11, 13, 15, 17, 17] in.

SHAPE RAGLAN TOP

Cast off 5 sts at beg of next 2 rows. Dec 1 sts [3 sts in] at each end of every 4th row, until 50 [54, 62, 66, 66, 70] sts rem, then on every foll alt row until 12 sts rem. Using WY, K a few rows and release from machine.

NECKBAND (2 PIECES)

Join raglan seams. Push 75 [81, 84, 87, 93, 96] Ns to WP. With K side facing, pick up 15 [16, 17, 18, 19, 20] sts across half of back



17 V NECK RAGLAN CARDIGAN

PATTERN RATING

* Easy to knit.

MACHINES

This pattern is suitable for standard gauge machines with or without a ribber.

MATERIALS

Bramwell Fine 4-ply
1 [1, 1, 1, 1, 1] x 500g cone in Bottle (MY).
7 buttons
2 stitch holders.
GARMENT WEIGHT
Finished garment in fourth size weighs 200g.

The fibre content of this yarn is 100% Acrylic. For further information about this yarn, please write to F. W. Bramwell & Co. Ltd., Unit 5, Metcalf Drive, Altham Lane, Accrington, BB5 5TU.

YARN THICKNESS

This yarn is medium weight and knits as four ply.

MEASUREMENTS

To fit chest 56 [61, 66, 71, 76, 82] cm, 22 [24, 26, 28, 30, 32] in.
Actual size 65 [70, 75, 80, 85, 90] cm, 25½ [27½, 29½, 31½, 33½, 35½] in.
Length to back neck 36 [41, 46, 51, 56, 57] cm, 14¼ [16, 18, 20, 22, 22½] in.
Sleeve seam 24 [28, 33, 38, 43, 43] cm, 9½ [11, 13, 15, 17, 17] in.

Instructions are written for the smallest size, larger sizes follow in square brackets. If only one figure is given, it applies to all sizes.

TENSION

28 stitches and 40 rows to 10 cm, 4 in measured over stocking stitch (tension dial setting approximately 7).

For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 4.

KNITTING NOTES

We used knit side of knitting as right side of garment.

BACK

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 94 [100, 108, 114, 122, 128] sts in 1x1 rib. *K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 28 rows. Transfer sts for st st *.

MACHINES WITHOUT RIBBER

Push 92 [98, 107, 113, 122, 128] Ns to WP. * Push every 3rd N back to NWP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT-2 and MY, K 55 rows. Push Ns from NWP to WP and make a hem by placing loops of first row worked in MY evenly along the row. Unravel WY when work is completed *. Inc 2 [2, 1, 1, 0, 0] sts. 94 [100, 108, 114, 122, 128] sts.

ALL MACHINES

Set RC at 000. Using MT, K 60 [76, 92, 108, 120, 120] rows. Work measures 21 [25, 29, 33,

36, 36] cm, 8¼ [9¼, 11½, 13, 14¼, 14¼] in.

SHAPE RAGLAN ARMHOLES

Cast off 5 sts at beg of next 2 rows. Dec 1 st (3 sts in) at each end of every 4th row until 80 [86, 96, 102, 108, 114] sts rem, then on every foll alt row until 30 [32, 34, 36, 38, 40] sts rem. Cast off.

POCKET LININGS

Using MY, cast on 29 [29, 32, 32, 35, 35] sts by hand. Set RC at 000. Using MT, K 32 [32, 32, 32, 36, 36] rows. Using WY, K a few rows and release from machine.

RIGHT FRONT

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 44 [47, 51, 54, 58, 61] sts in 1x1 rib. Work as for back from * to *.

MACHINES WITHOUT RIBBER
Push 44 [47, 50, 53, 56, 59] Ns to WP. Work as for back from * to *. Inc 0 [0, 1, 1, 2, 2] sts. 44 [47, 51, 54, 58, 61] sts.

ALL MACHINES

Set RC at 000. Using MT, K 32 [32, 32, 32, 36, 36] rows **.

*** PLACE POCKET LINING

Counting from the right, miss 7 [9, 9, 11, 11, 13] sts, then slip next 29 [29, 32, 32, 35, 35] sts on a stitch holder. With P side of pocket lining facing, replace sts of last row worked in MY on to empty Ns. Unravel WY. K 28 [44, 60, 76, 84, 84] rows. RC shows 60 [76, 92, 108, 120, 120]. K 1 row extra for left front.

SHAPE RAGLAN ARMHOLE AND FRONT EDGE

Dec 1 st (2 sts in) at left edge of next and every foll 5th row and at the same time, cast off 5 sts at beg of next row, K 1 row. Dec 1 st (3 sts in) at raglan edge of every 4th row until 35 [38, 43, 46, 49, 52] sts rem, then on every foll alt row until 9 [8, 8, 7, 9, 8] sts rem. Cont to dec at raglan edge only on every alt row from previous dec until 2 sts rem. Cast off ***.

LEFT FRONT

Work as for right front to **, then from *** to *** noting alteration in number of rows worked and reversing shapings by reading right for left and left for right.

SLEEVES

MACHINES WITH RIBBER

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 42 [44, 48, 50, 52, 54] sts in 1x1 rib. Work as for back from * to *.

neck, 12 sts across top of sleeve and 48 [53, 55, 57, 62, 64] sts along front neck and place on to Ns. Inc 1 st at each end. 77 [83, 86, 89, 95, 98] sts. Set RC at 000. Using MT and MY, K 1 row.

MACHINES WITH RIBBER

With ribber in position, set machine for 1x1 rib. Transfer sts for 1x1 rib. Cont in 1x1 rib. Using MT-6/MT-6, dec 1 st at front edge of next 12 rows. K 1 row. Inc 1 st at front edge of next 11 rows. Transfer sts for st st. Using MT, inc 1 st at front edge of next row, K 1 row. Using WY, K a few rows and release from machine.

MACHINES WITHOUT RIBBER

Transfer every 3rd st on to adjacent N and push empty Ns to NWP. Using MT-1, dec 1 st [2 sts in] at front edge on next 5 rows. Using MT-2, dec 1 st [2 sts in] at front edge on next 7 rows. K 1 row. Inc 1 st [2 sts in] at front edge on next 4 rows. Push Ns from NWP to WP and place loop from row below adjacent st on to empty N. Using MT, inc 1 st [2 sts in] at front edge on next row. K 1 row. Using WY, K a few rows and release from machine.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join neckband, side and sleeve seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MY.

◀81

MACHINES WITHOUT RIBBER

Push 41 [44, 47, 50, 50, 53] Ns to WP. Work as for back from * to *. Inc 1 [0, 1, 0, 2, 1] sts. 42 [44, 48, 50, 52, 54] sts.

ALL MACHINES

Set RC at 000. Using MT, shape sides by inc 1 st (2 sts in) at each end of every 5th [5th, 6th, 7th, 8th, 7th] row until there are 70 [74, 80, 84, 88, 92] sts. K 2 [13, 12, 9, 4, 15] rows. RC shows 72 [88, 108, 128, 148, 148] and work measures 24 [28, 33, 38, 43, 43] cm, 9½ [11, 13, 15, 17, 17] in.

SHAPE RAGLAN TOP

Cast off 5 sts at beg of next 2 rows. Dec 1 st (3 sts in) at each end of every 4th row until 50 [54, 62, 66, 66, 70] sts rem, then on every foll alt row until 12 sts rem. Cast off.

POCKET TOPS**MACHINES WITH RIBBER**

With ribber in position and carriage at right, set machine for 1x1 rib. Using MY, cast on 29 [29, 32, 32, 35, 35] sts in 1x1 rib. K 5 tubular rows. Carriage is at right. Set carriage for 1x1 rib knitting. Set RC at 000. Using MT-6/MT-6, K 9 rows. Transfer sts for st st. With P side facing, replace 29 [29, 32, 32, 35, 35] sts from st holder on to Ns. Using MT, K 1 row. Cast off.

MACHINES WITHOUT RIBBER

Push 29 [29, 32, 32, 35, 35] Ns to WP. With K side facing, replace pocket sts on to Ns. Transfer every 3rd st on to adjacent N and push empty Ns to NWP. Set RC at 000. Using MT and MY, K 17 rows. Push Ns from NWP to WP and place loop from row below adjacent st on to empty Ns. K 2 rows. Using WY, K a few rows and release from machine.





FRONT BAND

Using MY, cast on 17 sts by hand. Set RC at 000. Using MT-1, K 3 [4, 3, 4, 3, 3] rows. *Counting from each end, make buttonholes over 4th, 5th and 6th sts, K 12 [14, 17, 19, 21, 21] rows. Rep from * 5 times more. Make buttonholes over same sts as before. (7 sets of buttonholes.) K until band, when slightly stretched, fits up front edge, across top of sleeves and back neck and down remaining front edge. Cast off.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

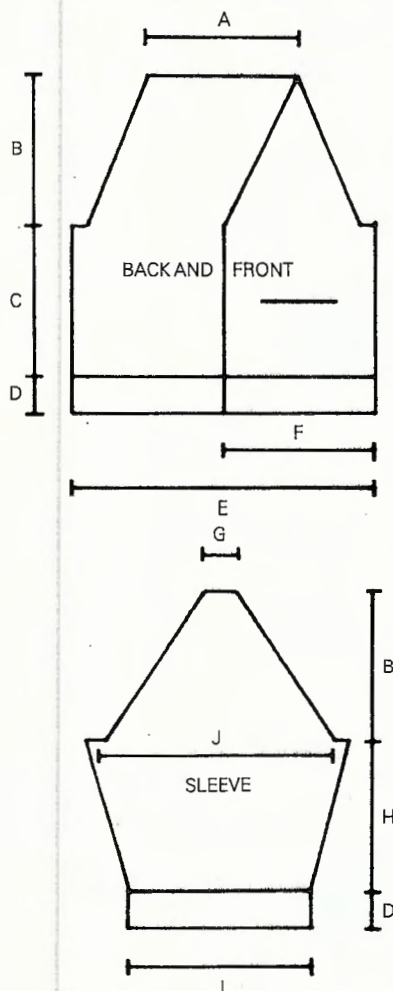
Join raglan, side and sleeve seams.

MACHINES WITHOUT RIBBER

Fold pocket tops in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MY.

ALL MACHINES

Catch down sides of pocket tops neatly to right side and pocket linings lightly to wrong side. Fold front band in half lengthways. Neaten short ends, then sew in position with buttonholes on right front for a girl or left front for a boy. Finish buttonholes and sew on buttons.



- A = 10.5 [11.5, 12, 13, 13.5, 14] cm
 B = 15 [16, 17, 18, 20, 21] cm
 C = 15 [19, 23, 27, 30, 30] cm
 D = 6 cm
 E = 33.5 [35.5, 38.5, 40.5, 43.5, 45.5] cm
 F = 15.5 [16.5, 18, 19, 20.5, 21.5] cm
 G = 4 cm
 H = 18 [22, 27, 32, 37, 37] cm
 I = 15 [15.5, 17, 17.5, 18.5, 19] cm
 J = 25 [26, 28.5, 30, 31, 32.5] cm

TINKERING WITH A TOYOTA

Questions about this month about ribs and ribber work in general, so let us start and see if we can sort out some of the problems.

Ann Taylor

SETTING UP

First, remember that the needles are set up from the right-hand side of the main bed and any alterations are made on the left-hand side.

Next, the question arises, how do you count how many?

The answer is to count the needles and the spaces on the main bed only.

The next point to remember is when to use Pitch and when to use Half Pitch.

It is simple really and to prove it to yourselves, bring twenty needles on the main bed and the ribber to work position, that is ten needles either side of 0 on both beds. Now put the lever to Pitch and bring twenty needles on both beds forwards. You will find that they meet each other head on, point to point. This equals Pitch and there is no way you can knit like this.

Put the needles back to work position and move the lever to Half Pitch. Now bring the needles forward again and you will find they glide in between each other, thus allowing the stitches and yarn to move through.

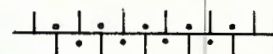
Now you should realise that any setting with more than one needle side by side is going to need Half Pitch and that will include the two-by-one rib which, when knitted, gives the appearance of two-by-two. Look in your ribber instruction book for the set-up and you will also see that an extra needle is brought into work on the left-hand side, but transferred back again once the circular rows have been completed and the bed racked back for the correct setting.

THE ONE-BY-ONE RIB

This is the simplest rib to start

with and to count.

Bring twenty needles on the main bed to work position, ten needles either side of 0. Now place alternate needles on the main bed back to non-working position (A position), place the lever to Pitch and the alternate needles which are to go back to non-working position on the ribber, are the ones directly under the work position needles on the main bed as in diagram.



Keep the first and last needles on the main bed in Work position. This is really like knitting on alternate needles and you will find that a thicker yarn can be used on a one by one rib. Consequently a double knitting yarn may be used to knit the ribs before transferring to a chunky machine. I cheat in hand knitting, as I still like to knit Aran patterns. The welt and neck bands I knit on the machine, then take them off on to waste yarn and transfer to two needles. I dislike hand knitting ribs!

WIDER RIBS

Confusion arises when the knitter wants to knit a wider rib and many a 'phone call comes my way with an exasperated knitter declaring that a three-by-one or six-by-six, or whatever, will not cast on.

Any rib, over two-by-two, must first be set up in full needle rib. That is every needle working, on both beds, for the number required in the pattern. With the lever now on Half Pitch, the usual cast on is now completed and at this stage the stitches are then transferred for the required rib. Failure to follow this procedure will lead to a disaster.

Incidentally, a three-by-three or wider rib is often wanted for a

skirt, but you may find that it tends to cling. Often a rib with every needle working on the main bed and a rib formation of three, six, or whatever, on the ribber, makes a better shape for the skirt.

Another skirt making tip is to make enough panels. If the pattern says three panels for the size required but it clings and hugs the hip line, have the courage to make one more panel. It will look much better and make the wearer look less bulky!

A setting using every needle on the main bed and a one-by-one formation on the ribber, is a good set up for sideways knitted bands on jackets and cardigans. So often the top and bottom of the band shrinks up (or down) in a curve and instead of a nice even line, it looks untidy. Using every needle on the main bed helps to keep the ends flat and tidy. Try it sometime.

PUNCHCARDS

Some instruction books do not show much in the way of punchcard knitting using the ribber, which is a pity, because some of the cards that come with your basic set may be used with the ribber in situ. Card one and card three (950 and 901; card 13, 787) will give a lovely honeycomb effect with tuck stitch using, of course, a yarn finer than four ply. It is still the main bed that controls the punchcard so when ready to knit, full needle rib of course, put the card in position and lock it. Knit one row (after putting the card levers up) and the needles on the main bed only will be selected. Release the card, put the pattern control to tuck and away you go.

Remember two things before starting – use two or three ply yarn or 2/30's, no thicker and keep the ribber weights on, remembering that the tension swatch should also have ribber weights.

CIRCULAR KNITTING

I wrote quite a bit about circular knitting last month. The main point to remember is that it is stocking stitch knitting on both beds and the tension required will be stocking stitch tension, according to the thickness of the yarn being used.

The other point to remember if starting from the cast on row, is that the tension is increased every circular row (that is two rows on the row counter) until the desired tension is reached.

If you shoot up to the appropriate tension straight away,

the carriage will jam and you will get nowhere.

RIBBER BOOKS

For basic ribber work, try Tami Nobuyuki's Knitting Machine Workbook Number Two. This should give you more detail than you will find in your instruction book. It is available from the Toyota Academy, High Street, Bromley, Kent.

Those wanting more advanced ribber work cannot do better than Kathleen Kinder's Machine Knitting for the Ribber, volumes I and II. There is so much information in these two books as well as patterns. They are available at your machine knitting shop or direct from Kathleen at Valley View, Station Road, Giggleswick, Settle, North Yorkshire BD24 0AB.

SIMULKNIT

Providing one follows the instructions in the instruction book for simulknit, it is easy to do.

Remember to use appropriate yarns for full needle rib, that is, two strands of 2/30's or two ply or three ply yarn – no thicker.

Start off by using the card shown in the instruction book and knit a tension swatch to be measured, as always, over forty stitches and sixty rows.

Those who have a charting device can then use a standard drawn pattern for their garment.

I have used a Marion Nelson card for a simulknit jacket, using a green ruler to ascertain the tension and choosing the appropriate card. Keep the shaping minimal; the drop shoulder style is ideal. Follow the instructions as detailed:

Set up in full needle rib, but the end needle right and left must be on the ribber.

Lever to Half Pitch.

Main bed is set to plain.

Card lever down.

Ribber: both side levers on 0

←E – T levers on plain.

←Centre lever – empty.

Carriage on the right.

Main yard threaded through the left-hand side of the tension mast and down into feeder 0.

Tension 0.

Knit one row – zig-zag.

Insert cast on comb and wire.

Set for circular, or bind off, rows as follows:

Main bed empty to the left.

Ribber centre lever empty.

Right-hand E – T lever empty.

Knit two rows.

RE set as before.

Hang weights.

Tension three on main bed, three on the ribber.

Insert punchcard and lock.

Main bed – card lever up.

Knit one row to the right and the needles are selected on the main bed.

Main bed – set to colour.

Ribber – simulknit lever to S.

Right-hand E – T lever down to plain.

Release the card.

Thread second (contrast colour) yarn through right-hand tension mast and down into feeder S (you may find it easier to use the threader).

Hold contrast yarn end and knit one row.

Bring end needle on main bed on the side nearest to the carriage to E position on every row – this makes a tidier edge.

Continue knitting.

I have found it easier to take the knitting off on to waste yarn and using a tapestry needle, backstitch through the last row of simulknit or full needle rib, removing the waste yarn as I go. I also find it easier to join the shoulder seams together in the same way, but if you wish they

may be shaped and cast off or shaped and taken off on to waste yarn and replaced as one would normally do. When casting off for the armhole, transfer stitches from the ribber to the main bed and cast off in the usual manner.

I have allowed seam stitches extra on a garment and back stitched the seams. On a jumper use the slash neckline or a cut and sew neckline, that is, knit two backs and sew round.

THE RIB

Use a two-by-one rib and, when completed, bring in empty needles for full needle rib and rack by one whole number. This helps to close the inevitable holes from rib to full needle rib. Knit one circular row before starting on simulknit.

That is it for this month. Keep the letters flowing and any ideas you have for future articles. It is your page you know! See you next month.



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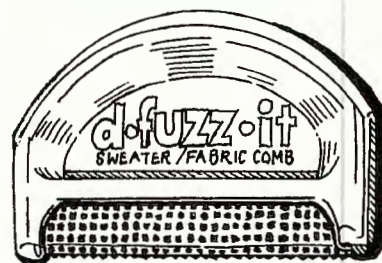


BARGAIN BUYS



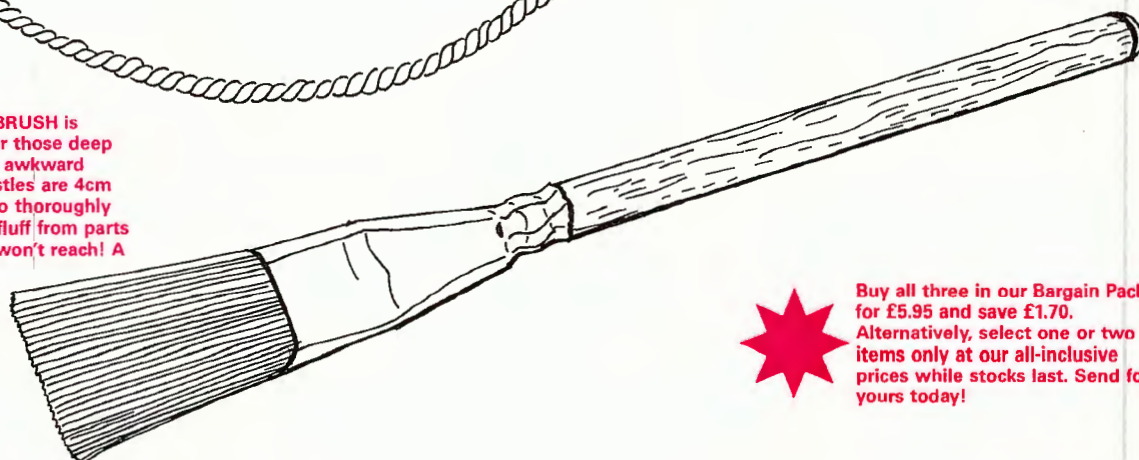
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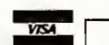
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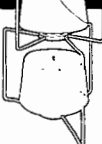
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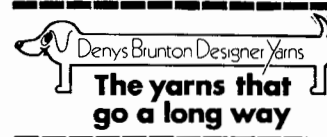
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By Kathleen Kinder

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Everything you need to know about motif knitting from a well-known expert. Kathleen Kinder takes the reader clearly through all the stages of designing and knitting their own motifs: ideas for choosing a subject, transferring it onto a punchcard, repeat patterns, positioning on a garment, background design, colours and colour changing. Plus 90 original patterns featuring a wide range of designs from ballerinas to badgers, acorns to dolphins – each showing a photograph of the knitted fabric and appropriate punchcard.

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By Valerie Carter

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	Knitting with Beads @ £3.99	
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COMPETITION

Bob Daw

WIN A SUPERB BROTHER KH891 PUNCHCARD MACHINE

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THE TEMPERATURE'S RISING

If Brighton's getting warmer than the Costa del Sol, polar bears are suffering from heat exhaustion and Eskimos are blubbering over the absence of ice to have holes in, why haven't Butlins opened a Holiday World further north than Scotland?

Be that as it may – and accepting the fact that the villain of the piece is probably my mother-in-law's aerosol of After Shave – boiling Bob would invite you to mop your brow and stare coldly at the clues in this month's prize competition.

Our environment friendly sponsor **Brother** offers a fabulous **KH891 Punchcard Knitting Machine plus Knitleader** which is guaranteed free from CFCs and constitutes no more of a threat to our planet than organically grown parsnips!

This month's winner, however, might be hard pressed to maintain the equilibrium described in the fourth vertical of the completed grid.

Let us know in Baking Berkshire how that line reads and ensure that your postcard is delivered by Perspiring Postman Pat by the 31st August.

CLUES

1. Making a sketch cover the seal
2. *Spell* a part of some garments
3. Horses may be under them for starters
4. When it's this to this, you're in a jam
5. Equip a lady to repel the King of Spain's fleet?
6. This foreign sailor is simply a confused *rascal*
7. Funny sense?
8. Sell abroad
9. Trim ones? *Ask Len*
10. Will an exasperated lady be seen at the end of it?
11. Put cash to work in a foundation garment?
12. Itinerants with a liking for the odd *damson*
13. *Danger* somehow may be cultivated

COMPETITION RULES

1. Only one entry per postcard will be accepted. You should send your postcard to August Competition, *Machine Knitting Monthly*, 3 Bridge Avenue, Maidenhead, Berkshire SL6 1RR.
2. This competition is open to residents of the U.K. only, except the employees of *Machine Knitting Monthly*, the magazine's typesetters, printers, distributors, employees of this month's competition sponsor and their relatives.

3. The closing date is 31st August 1990. Entries received after that date will not be considered and no responsibility can be accepted for entries lost or delayed in the post.
4. No cash alternative will be offered.
5. The winner will be the first correct entry drawn from our postbag after the

closing date.

6. The winner will be notified in writing and the result will be published in a future issue of *Machine Knitting Monthly*.

7. The Editor's decision is final and no correspondence will be entered into regarding the competition.

1	G						
2	L						
3	O						
4	B						
5	A						
6	L						
7	H						
8	E						
9	A						
10	T						
11	I						
12	N						
13	G						

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